



# STIC Search Report

## EIC 2100

STIC Database Tracking Number: 177225

TO: Chameli Das  
Location: RND 5A59  
Art Unit : 2192  
Tuesday, January 24, 2006

Case Serial Number: 09/404597

From: Geoffrey St. Leger  
Location: EIC 2100  
Randolph-4B31  
Phone: 23450

[geoffrey.stleger@uspto.gov](mailto:geoffrey.stleger@uspto.gov)

### Search Notes

Dear Examiner Das,

Attached please find the results of your search request for application 09/404597. I searched Dialog's foreign patent files and non-patent literature files.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger  
4B31/x23540

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# RUSH

## SEARCH REQUEST FORM

Access DB# 177225

Scientific and Technical Information Center

(91)

Requester's Full Name: Chameli C. Das Examiner #: 756 45 Date: 1/23/06  
Art Unit: 2192 Phone Number 301 272-3696 Serial Number: 09/404, 597  
Mail Box and Bldg/Room Location: ANND 5A 59 Results Format Preferred (circle): (PAPER) DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.


\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Optimized Rule based Constraints for Collaborative Filtering SystemInventors (please provide full names): John Rausser, Valerie GuradnikEarliest Priority Filing Date: 9/24/99

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Request for Dialog Search:  
Constraint filter to apply to recommendation requests having a  
first set of attributes; computing a predicted value based  
on a recommendation filter, for each of the selected ones of the items  
and appending the selected ones of the items meeting  
predetermined criteria to the recommendation list.

Please "Rush"  
  
TUAN DAM  
SUPERVISORY PATENT EXAMINER

RECEIVED  
JAN 23 2006

BY: .....

\*\*\*\*\*  
**STAFF USE ONLY**

	Type of Search	Vendors and cost where applicable
Searcher: <u>Geoffrey St. Legere</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>23540</u>	AA Sequence (#) _____	Dialog <input checked="" type="checkbox"/>
Searcher Location: <u>4B31</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>1/23/06</u>	Bibliographic <input checked="" type="checkbox"/>	Dr.Link _____
Date Completed: <u>1/24/06</u>	Litigation <input checked="" type="checkbox"/>	Lexis/Nexis _____
Searcher Prep & Review Time: <u>50</u>	Fulltext <input checked="" type="checkbox"/>	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>240</u>	Other _____	Other (specify) _____



# STIC Search Results Feedback Form

## EIC 2100

Questions about the scope or the results of the search? Contact **the EIC searcher or contact:**

Anne Hendrickson, EIC 2100 Team Leader  
272-3490, RND 4B28

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 2133

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 RND, 4B28



File 347:JAPIO Nov 1976-2005/Aug(Updated 051205)  
(c) 2005 JPO & JAPIO  
File 350:Derwent WPIX 1963-2006/UD,UM &UP=200605  
(c) 2006 Thomson Derwent  
File 348:EUROPEAN PATENTS 1978-2005/Dec W04  
(c) 2006 European Patent Office  
File 349:PCT FULLTEXT 1979-2005/UB=20051229,UT=20051222  
(c) 2005 WIPO/Univentio

Set	Items	Description
S1	33	AU=(RAUSER J? OR GURALNIK V?)
S2	7	S1 AND ((COLLABORAT? OR COOPERAT? OR CO()OPERAT? OR SOCIAL- )()FILTER??? OR RECOMMEND????? OR SUGGEST????)/AB
S3	6*	S2 AND IC=G06F

File 8: Ei Compendex(R) 1970-2006/Jan W3  
     (c) 2006 Elsevier Eng. Info. Inc.  
 File 35: Dissertation Abs Online 1861-2005/Dec  
     (c) 2005 ProQuest Info&Learning  
 File 65: Inside Conferences 1993-2006/Jan W4  
     (c) 2006 BLDSC all rts. reserv.  
 File 2: INSPEC 1898-2006/Jan W1  
     (c) 2006 Institution of Electrical Engineers  
 File 94: JICST-EPlus 1985-2006/Nov W2  
     (c) 2006 Japan Science and Tech Corp (JST)  
 File 6: NTIS 1964-2006/Jan W3  
     (c) 2006 NTIS, Intl Cpyrght All Rights Res  
 File 144: Pascal 1973-2006/Jan W1  
     (c) 2006 INIST/CNRS  
 File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec  
     (c) 1998 Inst for Sci Info  
 File 34: SciSearch(R) Cited Ref Sci 1990-2006/Jan W3  
     (c) 2006 Inst for Sci Info  
 File 99: Wilson Appl. Sci & Tech Abs 1983-2005/Dec  
     (c) 2006 The HW Wilson Co.  
 File 266: FEDRIP 2005/Dec  
     Comp & dist by NTIS, Intl Copyright All Rights Res  
 File 95: TEME-Technology & Management 1989-2006/Jan W4  
     (c) 2006 FIZ TECHNIK

Set	Items	Description
S1	31	AU=(RAUSER J? OR GURALNIK V? OR RAUSER, J? OR GURALNIK, V?)
S2	0*	S1 AND ((COLLABORAT? OR COOPERAT? OR CO()OPERAT? OR SOCIAL- )()FILTER??? OR RECOMMEND?????? OR SUGGEST?????)

3/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2006 Thomson Derwent. All rts. reserv.

014097349 \*\*Image available\*\*  
WPI Acc No: 2001-581563/200165  
XRPX Acc No: N01-433258

Computer implemented method for providing recommendations, involves  
determining affinity between users by analyzing partitioned preference  
data associated with stored data with respect to item

Patent Assignee: NET PERCEPTIONS INC (NETP-N)

Inventor: BIEGANSKI P; DRISKILL R; FRANKOWSKI D; GURALNIK VO ; MULIER F

Number of Countries: 093 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200153973	A2	20010726	WO 2001US1643	A	20010119	200165 B
AU 200132846	A	20010731	AU 200132846	A	20010119	200171
AU 2001232846	A8	20050915	AU 2001232846	A	20010119	200569

Priority Applications (No Type Date): US 2000520837 A 20000308; US  
2000177213 P 20000121

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200153973	A2	E	46	G06F-017/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200132846	A	G06F-017/00	Based on patent WO 200153973
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AU 2001232846	A8	G06F-017/30	Based on patent WO 200153973
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Abstract (Basic): WO 200153973 A2

NOVELTY - The method involves determining affinity between two  
users by analyzing partitioned preference data associated with stored  
data that reflects positive and negative preferences expressed by each  
one of a set of users with respect to an item. A **recommendation** is  
provided based on determined affinity.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the  
following:

(a) System for providing **recommendation** ;

(b) Computer readable medium

USE - For providing **recommendations** used in e-commerce business  
activities.

ADVANTAGE - Allows e-commerce operators to take advantage of  
customer databases to provide valuable personalized service to  
customers. Provides a **recommendation** server with software capable of  
using rating space partitioned (RSP) data **recommendations** to user.

DESCRIPTION OF DRAWING(S) - The figure shows the data processing  
system suitable for practicing methods and systems consistent with the  
**recommendation** providing system.

pp; 46 DwgNo 1/7

Title Terms: COMPUTER; IMPLEMENT; METHOD; DETERMINE; AFFINITY; USER;

PARTITION; PREFER; DATA; ASSOCIATE; STORAGE; DATA; RESPECT; ITEM

Derwent Class: T01

International Patent Class (Main): G06F-017/00 ; G06F-017/30

File Segment: EPI

3/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2006 Thomson Derwent. All rts. reserv.

013972827 \*\*Image available\*\*

WPI Acc No: 2001-457040/200149

XRPX Acc No: N01-338760

**Recommendation list providing method for E-commerce business activities, involves appending recommended item satisfying predetermined constraints in recommendation list**

Patent Assignee: NET PERCEPTIONS INC (NETP-N)

Inventor: GURALNIK V ; RAUSER J

Number of Countries: 093 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200124032	A2	20010405	WO 2000US19731	A	20000720	200149 B
AU 200062243	A	20010430	AU 200062243	A	20000720	200149

Priority Applications (No Type Date): US 99404597 A 19990924

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200124032 A2 E 26 G06F-017/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200062243 A G06F-017/00 Based on patent WO 200124032

Abstract (Basic): WO 200124032 A2

NOVELTY - **Recommendation** server (120) receives **recommendation** request from user of client (112) through a network (130). The server applies user's request to **recommendation** filter which **recommends** a specific item so that selected item satisfies constraint. A constraint filter estimates predicted value of item. The selected item meeting preset criteria is appended in the **recommendation** list.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for apparatus to provide **recommendation** list from a set of items.

USE - Used in E-commerce business activities.

ADVANTAGE - By using **recommendation** filter and constraint filter, the cost of providing **recommendation** list to user is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the data processing system for practicing methods and system consistent.

Client computer (112)

**Recommendation** server (120)

Network (130)

pp; 26 DwgNo 1/7

Title Terms: LIST; METHOD; BUSINESS; ACTIVE; RECOMMENDED; ITEM; SATISFY; PREDETERMINED; CONSTRAIN; LIST

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

3/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013507069 \*\*Image available\*\*

WPI Acc No: 2000-679013/200066

XRPX Acc No: N00-502671

**Compatibility aware recommendation system for grocery store information system, produces compatibility aware recommendation output set using received user preference data, item compatibility rules and match data**

Patent Assignee: NET PERCEPTIONS INC (NETP-N)

Inventor: BIEGANSKI P; FRANKOWSKI D; KONSTAN J; RAUSER J ; KONSTAN J A

Number of Countries: 090 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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WO 200039726 A2 20000706 WO 99US30358 A 19991221 200066 B  
 AU 200022000 A 20000731 AU 200022000 A 19991221 200066  
 US 6412012 B1 20020625 US 98219585 A 19981223 200246

Priority Applications (No Type Date): US 98219585 A 19981223

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200039726 A2 E 66 G06F-017/60

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
 CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
 KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE  
 SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
 IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200022000 A G06F-017/60 Based on patent WO 200039726

US 6412012 B1 G06F-013/00

Abstract (Basic): WO 200039726 A2

NOVELTY - A computer including several central processing unit (102), receives applicable data including user preference data, item compatibility rules and match data and produces compatibility aware **recommendation** output set accordingly. A **recommendation** output set is produced in response to **recommendation** request from user received via request interface operatively coupled to computer.

DETAILED DESCRIPTION - An ratings interface operatively coupled to computer receives user preference data including unary values, binary values and numerical values and transmits the received data to the computer. An output interface (112) receives the compatibility aware **recommendation** output set and displays in a display device (118).

INDEPENDENT CLAIMS are also included for the following:

(a) compatibility filtered and weighted **recommendation** producing method;

(b) storage device storing computer readable program for generating **recommendation**

USE - For generating compatibility aware **recommendation** to user in grocery store and book store information system. Also used for **recommendations** in fields such as music in various forms, advertisements, marketing literature and product offers, consumable goods including groceries and office supplies, dining and entertainment services, financial service products, real estate and home furnishings, automobile related goods and services, travel related goods and services, outworks, publications and documents.

ADVANTAGE - Use of item compatibility rules and user preference data improves quality of **recommendation** set that is more likely to anticipate real interest of customer and therefore leads to successful **suggestive** selling. Produces **recommendation** that are not only accurate but also of high value.

DESCRIPTION OF DRAWING(S) - The figure shows the computer system used in compatibility aware **recommendation** system.

Central processing unit (102)

Output interface (112)

Display device (118)

pp; 66 DwgNo 1/14

Title Terms: COMPATIBLE; AWARE; SYSTEM; GROCERY; STORAGE; INFORMATION;

SYSTEM; PRODUCE; COMPATIBLE; AWARE; OUTPUT; SET; RECEIVE; USER; PREFER;

DATA; ITEM; COMPATIBLE; RULE; MATCH; DATA

Derwent Class: T01; T05

International Patent Class (Main): G06F-013/00 ; G06F-017/60

File Segment: EPI

3/5/4 (Item 4 from file: 350)  
 DIALOG(R) File 350:Derwent WPIX  
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013507068      \*\*Image available\*\*

WPI Acc No: 2000-679012/200066

XRPX Acc No: N00-502670

**Data processing system e.g. cash register check-out system, modifies item recommendation data using compatibility rules, to produce compatibility modified recommendation output set**

Patent Assignee: NET PERCEPTIONS INC (NETP-N)

Inventor: BIEGANSKI P; FRANKOWSKI D; KONSTAN J A; RAUSER J

Number of Countries: 089    Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200039725	A2	20000706	WO 99US30356	A	19991221	200066 B
AU 200023726	A	20000731	AU 200023726	A	19991221	200066

Priority Applications (No Type Date): US 98220547 A 19981223

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200039725	A2	E	65	G06F-017/60	
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200023726	A			G06F-017/60	Based on patent WO 200039725
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Abstract (Basic): WO 200039725 A2

NOVELTY - A set of processors receive item **recommendation** data and item compatibility rules. A compatibility modifier modifies the item **recommendation** data using the compatibility rules to produce compatibility-modified **recommendation** output set.

DETAILED DESCRIPTION - The item **recommendation** data is received from an outside source, genetic algorithm, **collaborative filter**, neural network, statistical model, vendor specification, human expert and computer based expert. The modifier receives the item **recommendation** organized as one of unordered set, ordered set with and without **recommendation** rules. The item compatibility rules are derived from one or more of a marketer specification, automatic generation using machine learning, genetic algorithm, neural network and rule interference system, data mining, analysis of historical purchase and preference data, and customer specification. The item compatibility rules are received representing unidirectional rules, bidirectional rules, generalized rules including multi-way rules, rules among items, rules among sets, rules among collections, rules with weight factors, rules with priorities and unweighed and un prioritized rules. INDEPENDENT CLAIMS are also included for the following:

(a) method for producing compatibility filtered and weighted **recommendation** to user;

(b) computer readable program storage device storing method of producing compatibility filtered and weighted **recommendation**

USE - Data processing system e.g. cash register check-out system and information system using **collaborative filtering** and **recommender** systems, used in commerce center for electronic transactions, telephone call center. For producing compatibility modified **recommendations** e.g. music in various forms such as sheet music, music recordings, music video recordings, on-demand music systems including juke boxes and cable-TV music request services, advertisements, marketing literature, product offers, consumable goods including groceries and office supplies, dining and entertainment services, financial service products, real estate and home furnishings, automobile related goods and services, travel related goods and services, art works, publications and documents, media of various forms e.g. audio, video, images, computer products and services.

ADVANTAGE - Since the processing system is directed to creation of compatibility modified **recommendation** sets, it is useful for

improving quality of **recommendation** set. Since modification adds new items to **recommendation** set, an empty set can still be compatibility-modified.

DESCRIPTION OF DRAWING(S) - The figure shows the data processing system.

pp; 65 DwgNo 1/14

Title Terms: DATA; PROCESS; SYSTEM; CASH; REGISTER; CHECK; SYSTEM; MODIFIED  
; ITEM; DATA; COMPATIBLE; RULE; PRODUCE; COMPATIBLE; MODIFIED; OUTPUT;  
SET

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60

File Segment: EPI

3/5/5 (Item 1 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00821290 \*\*Image available\*\*

**RECOMMENDATION METHOD AND SYSTEM BASED ON RATING SPACE PARTITIONED DATA**  
**PROCEDE ET SYSTEME DE RECOMMANDATIONS SE BASANT SUR DES DONNEES CLOISONNEES**  
**D'ESPACE DE NOTATION**

Patent Applicant/Assignee:

NET PERCEPTIONS INC, 7901 Flying Cloud Drive, Eden Prairie, MN 55344, US,  
US (Residence), US (Nationality)

Inventor(s):

FRANKOWSKI Daniel, 3216 Colfax Avenue South, Minneapolis, MN 55408-3554,  
US,

BIEGANSKI Paul, 6461 Regency Lane, Minneapolis, MN 55344, US,

DRISKILL Robert, 5890-66th Lane North, Greenfield, MN 55357, US,

GURALNIK Valerie, 7235 Stewart Drive, Eden Prairie, MN 55346, US,

MULIER Filip, 3774 Thomas Court, Vadnais Heights, MN 55127, US

Legal Representative:

GARRETT Arthur S (et al) (agent), Finnegan, Henderson, Farabow, Garrett &  
Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005-3315, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200153973 A2-A3 20010726 (WO 0153973)

Application: WO 2001US1643 20010119 (PCT/WO US0101643)

Priority Application: US 2000177213 20000121; US 2000520837 20000308

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8993

English Abstract

Methods and systems consistent with the present invention provide a **recommendation** system that uses positive data and/or negative data separately to locate neighbors and provide **recommendation** to users. Such methods and systems use the data to locate potential neighbors based on users' ratings. Methods and systems consistent with the present invention calculate affinity values between the user and potential

neighbors located to determine whether the potential neighbor's ratings are closely related to that of the user's ratings. If a user and a potential neighbor have an affinity greater than a predetermined threshold, that neighbor is considered close enough to the user to provide a **recommendation** for various items. Affinity values are calculated from a series of affinity equations available to the **recommendation** system.

French Abstract

L'invention porte sur des procedes et systemes formant un systeme de recommandations utilisant des donnees positives et/ou des donnees negatives separement pour localiser des voisins et fournir des recommandations a des utilisateurs. Lesdits procedes et systemes, qui se servent des susdites donnees pour localiser les voisins potentiels en fonction des notations des utilisateurs, calculent les coefficients d'affinite entre un utilisateur et ses voisins potentiels, et determinent si les notations des voisins potentiels sont tres proches de celles de l'utilisateur. Si un utilisateur et l'un de ses voisins potentiels ont des affinites depassant un seuil predetermine, on considere ledit voisin comme assez proche de l'utilisateur pour fournir une recommandation pour differents articles. Les coefficients d'affinite sont calcules a partir de series d'equations d'affinite auxquelles a acces le systeme de recommandation.

Legal Status (Type, Date, Text)

Publication 20010726 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20020829 Late publication of international search report

Republication 20020829 A3 With international search report.

3/5/6 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00576352 \*\*Image available\*\*

SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR PRODUCING ITEM COMPATIBLE  
RECOMMENDATIONS

SYSTEME, PROCEDE ET PIECE MANUFACTUREE SERVANT A EMETTRE DES  
RECOMMANDATIONS COMPATIBLES AVEC UN ARTICLE

Patent Applicant/Assignee:

NET PERCEPTIONS INC,

Inventor(s):

BIEGANSKI Paul,

KONSTAN Joseph A,

RAUSER John ,

FRANKOWSKI Dan

Patent and Priority Information (Country, Number, Date):

Patent: WO 200039725 A2 20000706 (WO 0039725)

Application: WO 99US30356 19991221 (PCT/WO US9930356)

Priority Application: US 98220547 19981223

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU  
TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG  
CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F-017/60

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 16769

English Abstract

A **recommendation** process includes the consideration of the compatibility of the items to be **recommended**. An electronic processing system for generating a compatibility-modified **recommendation** output includes a processing system of one or more sets of processors configured to receive applicable data including i) item recommendation data, and ii) item compatibility rules, and to modify the item recommendation data using the item compatibility rules to produce a compatibility-modified recommendation output set. A method of producing a compatibility-modified recommendation includes receiving applicable data, including i) item recommendation data, and ii) item compatibility rules, and modifying the item recommendation data using the item compatibility rules to produce a compatibility-modified recommendation output set.

File 347:JAPIO Nov 1976-2005/Aug(Updated 051205)  
(c) 2005 JPO & JAPIO  
File 350:Derwent WPIX 1963-2006/UD,UM &UP=200605  
(c) 2006 Thomson Derwent

Set	Items	Description
S1	23469	(COLLABORAT? OR COOPERAT? OR CO()OPERAT? OR SOCIAL) (3N) FIL- TER??? OR RECOMMEND?????? OR SUGGEST????
S2	322184	QUERY??? OR QUERIE? ? OR REQUEST??? OR SEARCH???
S3	5052373	ATTRIBUTE OR ATTRIBUTES OR CRITERIA OR CRITERION OR REQUIR- ED OR REQUIREMENT? ? OR CONDITION? ? OR PROPERTY OR PROPERTIES OR PARAMETER? ? OR CONSTRAINT? ? OR RESTRICT???? OR LIMITATI- ON? ? OR FEATURE OR FEATURES OR ELEMENT? ? OR OPTION? ?
S4	312739	(SECOND??? OR 2ND OR ANOTHER OR OTHER OR DIFFERENT OR MULT- IPLE OR MULTIPLICITY OR SEVERAL OR MORE OR PLURAL? OR DUAL? OR VARIOUS OR ADDITIONAL OR TWO) (3W)S3
S5	54	S1 AND S2 AND S4
S6	15	S5 AND AC=US/PR AND AY=(1970:1999)/PR
S7	15	S5 AND AC=US AND AY=1970:1999
S8	15	S5 AND AC=US AND AY=(1970:1999)/PR
S9	7	S5 AND PY=1970:1999
S10	18	S6:S9

10/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.

03840399 \*\*Image available\*\*  
DEVICE FOR GIVING **RECOMMENDED** ROUTE

PUB. NO.: 04-205499 [JP 4205499 A]  
PUBLISHED: July 27, 1992 ( 19920727)  
INVENTOR(s): FUSHIMI MAKOTO  
KAMIYAMA YOSHIKI  
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company  
or Corporation), JP (Japan)  
APPL. NO.: 02-338155 [JP 90338155]  
FILED: November 30, 1990 (19901130)  
INTL CLASS: [5] G08G-001/0968; G01C-021/00  
JAPIO CLASS: 22.3 (MACHINERY -- Control & Regulation); 46.1  
(INSTRUMENTATION -- Measurement)  
JOURNAL: Section: P, Section No. 1452, Vol. 16, No. 547, Pg. 58,  
November 17, 1992 (19921117)

ABSTRACT

PURPOSE: To select a **recommended** route considering **plural conditions** by providing an evaluation value integrating means, a route selecting means for selecting a route minimizing the sum of the 3rd evaluation values and an output means for outputting a **recommended** route **searched** by the route selecting means.

CONSTITUTION: The 1st evaluation value calculating means 103, the 2nd evaluation value calculating means 104 for calculating an evaluation value for easy traveling and the evaluation value integrating means 105 for integrating two evaluation values at a fixed rate and calculating a new 3rd evaluating value are provided. Thereby a route satisfying complex conditions such as easy traveling and a short trip time can be selected. The route selecting means 106 **searches** a route minimizing the sum of the 3rd evaluation values from a start position set up by a position setting means 101 up to a destination based upon Dykstra method to select a **recommended** route. Finally the output means 107 displays the set **recommended** route on a CRT displaying a road net with a different color. Consequently, the **recommended** route satisfying **plural conditions** can be selected..

10/5/2 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2006 Thomson Derwent. All rts. reserv.

016466720 \*\*Image available\*\*  
WPI Acc No: 2004-624645/200460  
Related WPI Acc No: 2003-789208  
XRPX Acc No: N04-493992

**Customer valuation determining method for use in hotel, involves valuing customer based on activities of customer at two or more properties, where customer value is specific to property**

Patent Assignee: BOUSHY J M (BOUS-I); KOWAL D P (KOWA-I); WILMOTT T J (WILM-I)

Inventor: BOUSHY J M; KOWAL D P; WILMOTT T J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040158536	A1	20040812	US 9888423	A	19980601	200460 B
			US 2000658366	A	20000908	
			US 2001989929	A	20011120	

Priority Applications (No Type Date): US 2001989929 A 20011120; US 9888423

A 19980601; US 2000658366 A 20000908

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20040158536 A1 35 G06F-017/00 CIP of application US 9888423  
CIP of application US 2000658366  
CIP of patent US 6183362

Abstract (Basic): US 20040158536 A1

NOVELTY - The method involves receiving a **request** for a resource for specific property for a customer. The customer is valued based on activities of the customer at **two or more properties**, where the customer value is specific to the property. The customer activities are located at properties **different** from the **property** for which the customer is being valued.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a system for determining a customer valuation for a specific property.

USE - Used for determining a customer valuation in a hotel and casino.

ADVANTAGE - The customer is valued based on activities of the customer at **two or more properties**, thereby optimizing total customer value on a property-specific basis. The resource allocation and pricing **recommendations** can be made for the customer without employing customer segments.

DESCRIPTION OF DRAWING(S) - DESCRIPTION OF DRAWING - The drawing shows a conceptual block diagram of functional components of a customer valuation evaluation system.

Current bookings (101)  
Forecaster/demand predictor (102)  
Optimizer (103)  
Competitive environment (104)  
**Recommendation** (105)

pp; 35 DwgNo 1/16

Title Terms: CUSTOMER; VALUE; DETERMINE; METHOD; HOTEL; CUSTOMER; BASED; ACTIVE; CUSTOMER; TWO; MORE; PROPERTIES; CUSTOMER; VALUE; SPECIFIC; PROPERTIES

Derwent Class: T01; T05; W04

International Patent Class (Main): G06F-017/00

File Segment: EPI

10/5/5 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014613806 \*\*Image available\*\*

WPI Acc No: 2002-434510/200246

Related WPI Acc No: 2000-023002; 2002-268734; 2003-015963; 2003-119627

XRPX Acc No: N02-342020

**Content suggestion apparatus for cable television program delivery system, searches suggestion database for indexed metadata elements related to available content based on one or more search request criteria**

Patent Assignee: ASMUSSEN M L (ASMU-I); MCCOSKEY J S (MCCO-I); SWART W D (SWAR-I)

Inventor: ASMUSSEN M L; MCCOSKEY J S; SWART W D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020042923	A1	20020411	US 92991074	A	19921209	200246 B
			US 93160281	A	19931202	
			US 97906469	A	19970805	
			US 2001921057	A	20010803	

Priority Applications (No Type Date): US 2001921057 A 20010803; US 92991074

A 19921209; US 93160281 A 19931202; US 97906469 A 19970805  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 20020042923 A1 24 G06F-003/00 CIP of application US 92991074  
Cont of application US 93160281  
CIP of application US 97906469

Abstract (Basic): US 20020042923 A1

NOVELTY - A content metadata crawler **searches** metadata related to an available content, to produce a metadata list comprising **different** metadata **elements**. An indexing unit indexes the metadata elements. A **suggestion** database stores the indexed metadata elements. A processor **searches** the **suggestion** database based on one or more **search request criteria**, to produce list of keywords.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for method of **suggesting** available content.

USE - For use in cable television program delivery systems and digital multi-media delivery systems and systems that deliver program including video, audio computer software and electronic books in digital format.

ADVANTAGE - Provides intelligent and flexible program **search** and delivery functions and allows user to maximize the use of video and digital multi-media aggregator.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of primary components of content **search**; packaging and delivery system.  
pp; 24 DwgNo 1/12

Title Terms: CONTENT; APPARATUS; CABLE; TELEVISION; PROGRAM; DELIVER; SYSTEM; **SEARCH**; DATABASE; INDEX; ELEMENT; RELATED; AVAILABLE; CONTENT; BASED; ONE; MORE; **SEARCH**; **REQUEST**; CRITERIA

Derwent Class: T01; W02

International Patent Class (Main): G06F-003/00

International Patent Class (Additional): G06F-013/00; H04N-005/445; H04N-007/173

File Segment: EPI

10/5/14 (Item 13 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2006 Thomson Derwent. All rts. reserv.

012720832 \*\*Image available\*\*  
WPI Acc No: 1999-526944/ 199944  
XRPX Acc No: N99-390311

Connection management method in electronic mail system

Patent Assignee: APPLE COMPUTER INC (APPY )

Inventor: CREEMER D Z

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5951644	A	19990914	US 96778042	A	19961224	199944 B

Priority Applications (No Type Date): US 96778042 A 19961224

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 5951644 A 15 G06F-013/14

Abstract (Basic): US 5951644 A

NOVELTY - The registration **request** and connection needs from electronic mail server (108) are received and stored at the internet service provider (102). The resource utilization is monitored at the internet service provider. Based on connection needs of the electronic mail server and resource utilization, **suggested** mail transmission times are determined and mails are forwarded accordingly.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:



(a) method for managing network resources for a network;  
(b) computer readable medium containing program instruction for managing connection

USE - In communication systems such as electronic mail system.

ADVANTAGE - The demand on network resources is flattened so as to make better and more efficient use of the network resources and hence the network performance is predictable and manageable. The quantity of hardware and **other** resources **required** by the network for a given performance level is reduced due to the improved management of the network resources.

DESCRIPTION OF DRAWING(S) - The figure shows the electronic mail system.

Internet service provider (102)

Electronic mail server (108)

pp; 15 DwgNo 1/7

Title Terms: CONNECT; MANAGEMENT; METHOD; ELECTRONIC; MAIL; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-013/14

International Patent Class (Additional): G06F-015/173

File Segment: EPI

10/5/17 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011052329 \*\*Image available\*\*

WPI Acc No: 1997-030253/ 199703

XRPX Acc No: N97-025544

**Vehicle path-planning appts. - has recommended route calculating unit that utilises node determined to have fulfilled several predetermined conditions by selector, as starting point of recommended route**

Patent Assignee: XANAVI INFORMATICS KK (XANA-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8292056	A	19961105	JP 9595577	A	19950420	199703 B

Priority Applications (No Type Date): JP 9595577 A 19950420

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8292056	A	9	G01C-021/00	

Abstract (Basic): JP 8292056 A

The appts. includes a road map memory (7) that stores supplementary information required to exhibit the road map data on a display (6). A vehicle position detector (1) determines the present position of a vehicle while a destination setting unit (3) obtains data pertaining to the intended destination of the vehicle. A **recommended** route calculating unit determines the most suitable route leading to the destination that should be followed by the vehicle. A display controller exhibits the **recommended** route on the display.

A starting candidate point selector obtains a node out of several arranged along the determined route which fulfills **several** predetermined **conditions** as compared with the other nodes. The **recommended** route calculating unit utilises the selected node as the starting point of the **recommended** route.

ADVANTAGE - Determines suitable position of starting point having shortest distance from present position of vehicle even with presence of obstacles e.g. river; does not require increase in amt. of data for route **searching** ; effectively utilises data for map display.

File 348:EUROPEAN PATENTS 1978-2005/Dec W04

(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20051229,UT=20051222

(c) 2005 WIPO/Univentio

Set	Items	Description
S1	278449	(COLLABORAT? OR COOPERAT? OR CO()OPERAT? OR SOCIAL) (3N) FIL- TER??? OR RECOMMEND?????? OR SUGGEST????
S2	2226895	QUERY??? OR QUERIE? ? OR REQUEST??? OR SEARCH???
S3	1668241	ATTRIBUTE OR ATTRIBUTES OR PROPERTY OR PROPERTIES OR PARAM- ETER? ? OR CONSTRAINT? ? OR RESTRICT???? OR LIMITATION? ? OR - FEATURE OR FEATURES OR ELEMENT? ?
S4	678196	(SECOND??? OR 2ND OR ANOTHER OR OTHER OR DIFFERENT OR MULT- IPLE OR MULTIPLICITY OR SEVERAL OR MORE OR PLURAL? OR DUAL? OR VARIOUS OR ADDITIONAL OR TWO) (3W) S3
S5	879	S1 (50N) S2 (50N) S4
S6	435	S5 AND IC=G06F
S7	13752	S2 (20N) S4
S8	225	S1 (50N) S7
S9	146	S8 AND IC=G06F
S10	50	S9 AND AC=US/PR AND AY=(1970:1999)/PR
S11	50	S9 AND AC=US AND AY=1970:1999
S12	50	S9 AND AC=US AND AY=(1970:1999)/PR
S13	14	S9 AND PY=1970:1999
S14	54	S10:S13
S15	54	IDPAT (sorted in duplicate/non-duplicate order)

15/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2006 European Patent Office. All rts. reserv.

00901978

COMPUTER NETWORK AND METHOD FOR DETERMINING USER BEHAVIOUR  
COMPUTERNETZWERK UND VERFAHREN ZUR BESTUIMMUNG DES BENUTZERVERHALTEN  
METHODE ET RESEAU INFORMATIQUES PERMETTANT DE DETERMINER LE COMPORTEMENT  
DES UTILISATEURS

PATENT ASSIGNEE:

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INVENTOR:

GERACE, Thomas, A., Suite 1 248 Franklin Street, Cambridge, MA 02139,  
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LEGAL REPRESENTATIVE:

Style, Kelda Camilla Karen et al (75491), Page White & Farrer, 54 Doughty  
Street, London WC1N 2LS, (GB)

PATENT (CC, No, Kind, Date): EP 895685 A2 990210 (Basic)

EP 895685 B1 050622

WO 1997041673 971106

APPLICATION (CC, No, Date): EP 97922404 970422; WO 97US6767 970422

PRIORITY (CC, No, Date): US 634900 960426

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;

MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: H04L-029/06; G06F-017/30

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200525	1905
CLAIMS B	(German)	200525	1785
CLAIMS B	(French)	200525	2031
SPEC B	(English)	200525	16788

Total word count - document A 0

Total word count - document B 22509

Total word count - documents A + B 22509

...INTERNATIONAL PATENT CLASS: G06F-017/30

...SPECIFICATION and different demographic and/or usage information, and reports those as well. For example, a report comprises **several** defined **elements**, including overall success of the advertisement, breakdown by **requested** demographic elements, comparison of target market with control group, number of click through requested versus number achieved...

...completes a regression analysis using data stored in Ad Package Objects 33b and User Objects 37, and **suggests** other demographic groups which a sponsor might want to consider for a subsequent ad.

When displayed to...

15/3,K/5 (Item 5 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2006 European Patent Office. All rts. reserv.

01174357

Multi-modal information access

Multimodaler Informationszugriff

Acces multimode a des informations

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 1024437 A2 000802 (Basic)  
EP 1024437 A3 051221

APPLICATION (CC, No, Date): EP 2000101367 000124;

PRIORITY (CC, No, Date): US 117462 990126; US 421770 991019; US 425038  
991019; US 421416 991019; US 421767 991019; US 425039 991019; US 421419  
991019

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/30

ABSTRACT WORD COUNT: 110

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200031	659
SPEC A	(English)	200031	17327
Total word count - document A			17986
Total word count - document B			0
Total word count - documents A + B			17986

INTERNATIONAL PATENT CLASS: G06F-017/30

...SPECIFICATION keyword searches on page content (such as AltaVista,  
Excite, and Infoseek, among many others).

Also known are **recommendation** systems, which are capable of providing  
Web site **recommendations** based on criteria provided by a user or by  
comparison to a single preferred document (e.g., Firefly, Excite's "more  
like this" **feature** ).

While the foregoing systems and services blend traditional **search**  
engine and **recommendation** system capabilities to some degree, it should  
be recognized that none of them are presently adaptable to...

15/3,K/6 (Item 6 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01038033

A MULTI-ELEMENT CONFIDENCE MATCHING SYSTEM AND THE METHOD THEREFOR  
EIN MULTI-ELEMENT VERTRAUENSENTSPRECHUNGSSYSTEM UND VERFAHREN HIERFUR  
SYSTEME SECURISE DE CORRESPONDANCES MULTI-ELEMENT ET PROCEDE CONNEXE  
PATENT ASSIGNEE:

WEBPLUS Ltd, (4532970), Drake Chambers, Road Town, Tortola, British  
Virgin Islands, (VG), (Proprietor designated states: all)

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NOJOO MI, Reza, 415 Reflections Circle 25, San Ramon, CA 94583, (US)

YAN, Hong, 268 East Ridge, San Ramon, CA 94583, (US)  
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Muller, Enno, Dipl.-Ing. et al (55103), Rieder & Partner Anwaltskanzlei  
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PATENT (CC, No, Kind, Date): EP 1032893 A1 000906 (Basic)  
EP 1032893 B1 040728  
EP 1032893 B1 040728  
WO 1999017224 990408  
APPLICATION (CC, No, Date): EP 97942754 970929; WO 97CN96 970929  
DESIGNATED STATES: DE; FR; GB  
INTERNATIONAL PATENT CLASS: G06F-017/30  
NOTE:

No A-document published by EPO  
LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200431	1007
CLAIMS B	(German)	200431	965
CLAIMS B	(French)	200431	1326
SPEC B	(English)	200431	5648
Total word count - document A			0
Total word count - document B			8946
Total word count - documents A + B			8946

INTERNATIONAL PATENT CLASS: G06F-017/30

...SPECIFICATION computer trade matching system and a computer trade matching method according to the appended claims.  
It is **suggested** that in the computer matching system of the present invention, said requirement includes **multiple elements** as **search** criteria, each of said elements is assigned a weight of importance thereby each matching result has a **search** score indicating satisfaction level of said user. It is preferred that said search engine further perform ordering...

15/3,K/7 (Item 7 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2006 European Patent Office. All rts. reserv.

00849196  
Diagnostic expert system  
Diagnostisches Expertensystem  
Systeme expert de diagnostique  
PATENT ASSIGNEE:

XEROX CORPORATION, (219783), Xerox Square, Rochester, New York 14644,  
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Verdouw, Estella M., 2345 Barnes Road, Walworth, NY 14568, (US)

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PATENT (CC, No, Kind, Date): EP 784275 A1 970716 (Basic)  
EP 784275 B1 030326  
APPLICATION (CC, No, Date): EP 96308994 961211;

PRIORITY (CC, No, Date): US 574482 951219  
DESIGNATED STATES: DE; FR; GB  
INTERNATIONAL PATENT CLASS: G06F-011/22  
NOTE:

Figure number on first page: 2  
LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	1058
CLAIMS B	(English)	200313	742
CLAIMS B	(German)	200313	748
CLAIMS B	(French)	200313	911
SPEC A	(English)	EPAB97	10511
SPEC B	(English)	200313	10469
Total word count - document A			11570
Total word count - document B			12870
Total word count - documents A + B			24440

INTERNATIONAL PATENT CLASS: G06F-011/22

...SPECIFICATION which are intended to have yes or no responses); and  
corrective actions, indicated as CA, which are **recommended** "fixes"  
for the machine which are identified by specific answers to specific  
**queries** .

There may be **other** specific classifications of **elements** in the  
printed documentation, such as descriptions (shown as DESC), titles of  
sections, and warnings (e.g...

...SPECIFICATION which are intended to have yes or no responses); and  
corrective actions, indicated as CA, which are **recommended** "fixes"  
for the machine which are identified by specific answers to specific  
**queries** .

There may be **other** specific classifications of **elements** in the  
printed documentation, such as descriptions (shown as DESC), titles of  
sections, and warnings (e.g...

15/3,K/11 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00811432 \*\*Image available\*\*  
METHOD AND APPARATUS FOR SCORING AND MATCHING ATTRIBUTES OF A SELLER TO  
PROJECT OR JOB PROFILES OF A BUYER  
PROCEDE ET DISPOSITIF SERVANT A EVALUER ET A METTRE EN CORRESPONDANCE LES  
ATTRIBUTS D'UN VENDEUR AVEC LES PROFILS DE PROJET OU D'EMPLOI D'UN  
ACHETEUR

Patent Applicant/Assignee:

ZREP INC, Suite 1500, 2 Penn Plaza, New York, NY 10121, US, US  
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Inventor(s):

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GURUSWAMY Felix, 31 King Road, Somerset, NJ 08873, US,  
SRINIVASAN Jayakumar, Apartment #19A, 343 East 74th Street, New York, NY  
10021, US,  
AHRENS Martin Arthur, 56 Llewellyn Road, Montclair, NJ 07042-2532, US,

Legal Representative:

MOSER Raymond R Jr (et al) (agent), Thomason, Moser & Patterson, LLP,  
Suite 100, 595 Shrewsbury Avenue, Shrewsbury, NJ 07702, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200145019 A1 20010621 (WO 0145019)  
Application: WO 2000US34870 20001218 (PCT/WO US0034870)  
Priority Application: US 99172353 19991216

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

((OAPI utility model)) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 16197

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... Namely, the seller can simply enter a word or a phrase that is then used in a **search** in step 350 to see whether the submitted word or phrase matches one or **more** knowledge **elements** . i.e., the method quickly finds knowledge elements using wild cards. Additionally, the **search** method is designed with "sounds like" technology that also recognizes there are alternative ways to type words...

...to the same knowledge element. Since there are also common spelling errors, the present search algorithm also **suggests** to the seller some similar "sounding" knowledge elements. It should be noted that the search function can...Namely, the buyer can simply enter a word or a phrase that is then used in a **search** in step 450 to see whether the submitted word or phrase matches one or **more** knowledge **elements** . i.e., the method quickly finds knowledge elements using wild cards. Additionally, the **search** method is designed with C4 sounds like" technology that also recognizes there are alternative ways to type...

...the same knowledge element. Since there are also io common spelling errors, the present search algorithm also **suggests** to the buyer some similar "sounding" knowledge elements. It should be noted that the search function can...

15/3,K/12 (Item 12 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00809290 \*\*Image available\*\*

SEARCH QUERY REFINEMENT USING RELATED SEARCH PHRASES

AFFINAGE DE DEMANDES DE RECHERCHE A L'AIDE DE GROUPES DE MOTS DE RECHERCHE APPARENTES

Patent Applicant/Assignee:

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Inventor(s):

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SCOFIELD Christopher L, 2557 25th Avenue E., Seattle, WA 98112, US,  
Legal Representative:

DELANEY Karoline A (agent), Knobbe, Martens, Olson & Bear, LLP, 620  
Newport Center Drive, 16th Floor, Newport Beach, CA 92660, US,  
Patent and Priority Information (Country, Number, Date):

Patent: WO 200142880 A2-A3 20010614 (WO 0142880)  
Application: WO 2000US42576 20001205 (PCT/WO US0042576)  
Priority Application: US 99170151 19991210; US 2000533230 20000322

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ CZ (utility  
model) DE DE (utility model) DK DK (utility model) DM DZ EE EE (utility  
model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG  
KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU  
SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9705

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... with the multiple query terms may be appropriately combined, and the  
most highly scored search phrases then **suggested** from the combined  
list. In either case, each **suggested** search phrase is preferably  
presented on a search results screen as a respective link that can be  
selected by the user to submit the phrase as a substitute query .

,2,

BRIEF DESCRIPTION OF THE DRAWINGS

These and **other features** will now be described with reference to the  
drawings summarized below. These drawings and the associated description

...

15/3,K/18 (Item 18 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00803578 \*\*Image available\*\*

**PERSONALIZED INTERACTIVE NETWORK ARCHITECTURE**  
**ARCHITECTURE DE RESEAU PERSONNALISEE INTERACTIVE**

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CAIAZZO Anthony, c/o Chase Manhattan Bank, 270 Park Avenue, 41st Floor,  
New York, NY 10017, US,

Legal Representative:

DUJMICH Louis C (et al) (agent), Ostrolenk, Faber, Gerb & Soffen, LLP,  
1180 Avenue of the Americas, New York, NY 10036, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200137136 A2-A3 20010525 (WO 0137136)  
Application: WO 2000US31035 20001113 (PCT/WO US00031035)  
Priority Application: US 99165739 19991115; US 2000564783 20000504



Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 16810

Main International Patent Class: G06F-017/30

International Patent Class: G06F-017/60 ...

Fulltext Availability:

Detailed Description

Detailed Description

... value proposition to present to the customer, as described below.

The personalization manager 112 then sends a request 133 to collaborative filtering engine 134 for a recommendation. The filtering engine 134 uses various data elements including profile from profile manager II 8, interaction, etc. from the interaction data storage 130 to perform a "like mind" analysis. The collaborative filtering engine 134 returns a recommendation 136, i.e., a value proposition.

- 24 The personalization manager 1 12 gets the weightage for this...

15/3,K/20 (Item 20 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00801753 \*\*Image available\*\*

**MORE EFFICIENT DATABASE RESEARCH SYSTEM**

**SYSTEME AMELIORE DE RECHERCHE DANS UNE BASE DE DONNEES**

Patent Applicant/Inventor:

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ROSENTHAL Philip J, 3726 Connecticut Avenue, NW, Apartment 209,  
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Legal Representative:

WALTERS Edward J (commercial rep.), 316 North Payne, Alexandria, VA 22314  
, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200135274 A1 20010517 (WO 0135274)

Application: WO 2000US30786 20001109 (PCT/WO US0030786)

Priority Application: US 99164549 19991110; US 2000707910 20001108; US  
2000707911 20001108

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 13705

Main International Patent Class: G06F-017/30  
International Patent Class: G06F-017/00  
Fulltext Availability:  
Detailed Description

Detailed Description

... This sorting feature allows the system to "learn" about records in the database from usage patterns and **recommend** records in subsequent searches .

It is yet **another feature** of the present invention that the authoritative or important record can be found very quickly because a...

15/3,K/23 (Item 23 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00790589 \*\*Image available\*\*

SYSTEM AND METHOD FOR PAIRING PROVIDERS WITH CONSUMERS OF ONLINE GOODS AND SERVICES  
SYSTEME ET PROCEDE PERMETTANT D'APPARIER DES FOURNISSEURS ET DES CLIENTS DE BIENS ET DE SERVICES EN LIGNE

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

GRAY J Kevin (et al) (agent), Jenkins & Gilchrist, P.C., 3200 Fountain Place, 1445 Ross Avenue, Dallas, TX 75202-2799, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200124086 A2 20010405 (WO 0124086)

Application: WO 2000US25664 20000919 (PCT/WO US0025664)

Priority Application: US 99405807 19990924

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 8421

Main International Patent Class: G06F-017/60  
Fulltext Availability:  
Detailed Description

Detailed Description

... ineedtogettickets.com, ineedaguide.net, ineedawakeupcall.com, etc.).

Accordingly, the system allows a consumer to be provided with **suggested** goods and services most likely to be of immediate use or relevance, while allowing the providers of...

...goods and services to specifically target such goods and services to the

consumer.

It is noted that **another** **feature** of the name linking policy allows a consumer to predetermine the level of relationship between the consumer's name **request** and the ider(s) identified by the system (i.e., how tightly the system relates providers provi...

15/3,K/24 (Item 24 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00790545 \*\*Image available\*\*  
**OPTIMIZED RULE BASED CONSTRAINTS FOR COLLABORATIVE FILTERING SYSTEMS**  
**OPTIMISATION DES CONTRAINTES A BASE DE REGLES POUR SYSTEMES FILTRANTS**  
**COLLABORANTS**

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

GARRETT Arthur S (et al) (agent), Finnegan, Henderson, Farabow, Garrett &  
Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005-3315, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200124032 A2 20010405 (WO 0124032)  
Application: WO 2000US19731 20000720 (PCT/WO US0019731)  
Priority Application: US 99404597 19990924

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4917

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... 130, such as the Internet. The user uses client computer 1 12 to provide various information to **recommendation** server 120.

**Recommendation** server 120 transmits and receives web pages from a browser on client computer 1 12 using hypertext markup language (HTML), Java or other techniques.

These web pages may include images or instructions to obtain **recommendation requests** from a user. **Recommendation** server 120 also contains a database that stores various data, such as **constraint filters**, **recommendation filters** and items, further described below.

Although only one client computer 112 is depicted, one skilled in...

15/3,K/31 (Item 31 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
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00777971      \*\*Image available\*\*

**APPARATUS AND RELATED METHOD OF ORGANIZING INFORMATION USING CATEGORIES**  
**APPAREIL ET PROCEDE POUR ORGANISER L'INFORMATION**

Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200111505 A2-A3 20010215 (WO 0111505)  
Application: WO 2000US21879 20000809 (PCT/WO US2000021879)  
Priority Application: US 99370330 19990809

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004).

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9261

Main International Patent Class: **G06F-017/30**

Fulltext Availability:

Detailed Description

Detailed Description

... or qualitatively rank people, places or things according to a suitable  
criteria.

Other industry standard sources make **recommendations** about people,  
places or things according to appropriate guidelines.

To this end, the present invention includes three advantageous features.  
The first feature is directed to **searching**, retrieving and organizing  
information retrieved from industry standard sources.

The **second feature** is directed to actually using the retrieved  
information to generate ranked lists.

These ranked lists provide Internet...

15/3,K/33      (Item 33 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
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00775303

**ELECTRONIC INTELLECTUAL PROPERTY MANAGEMENT SYSTEM**  
**SYSTEME DE GESTION DE LA PROPRIETE INTELLECTUELLE ELECTRONIQUE**

Patent Applicant/Assignee:

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, US (Residence), US (Nationality)

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Legal Representative:

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, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200108031 A2 20010201 (WO 0108031)  
Application: WO 2000US20058 20000721 (PCT/WO US00020058)  
Priority Application: US 99144889 19990721

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 15133

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... hand pane is a field for "technical field of the invention." Other  
fields include a "detailed description," " **suggested** claims" and an  
"abstract." Text entered into each pane becomes associated with a field  
of the invention report document. As described above, fields are  
individually addressable by **search** engines and have **other properties**  
that persons skilled in the art commonly associate with electronic  
documents that are organized in individually manipulable...

15/3,K/35 (Item 35 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00761431

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PROVIDING COMMERCE-RELATED  
WEB APPLICATION SERVICES

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE DE  
SERVICES D'APPLICATION DANS LE WEB LIES AU COMMERCE

Patent Applicant/Assignee:

ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US  
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Inventor(s):

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Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,  
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073957 A2-A3 20001207 (WO 0073957)  
Application: WO 2000US14420 20000525 (PCT/WO US0014420)

Priority Application: US 99321492 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ  
CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE  
EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK  
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150171

Main International Patent Class: G06F-017/30

International Patent Class: G06F-017/60 ...

... G06F-009/44

Fulltext Availability: "

Detailed Description

Detailed Description

... should be able to gain access to input detailed technical information or progress updates. If Incident and **Request** management is distributed, it is **recommended** that remote locations are given access to the central system, rather than operating local systems. (Some problem...

15/3,K/36 (Item 36 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2005 WIPO/Univentio. All rts. reserv.

00753782 \*\*Image available\*\*

SYSTEM AND METHOD FOR SEARCHING AND RECOMMENDING DOCUMENTS IN A COLLECTION  
USING SHARED BOOKMARKS

SYSTEME ET PROCEDE DE RECHERCHE ET DE RECOMMANDATION DE DOCUMENTS DANS UNE  
COLLECTION A L'AIDE DE SIGNETS PARTAGES

Patent Applicant/Assignee:

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PITKOW James E, 742 Ellsworth Place, Palo Alto, CA 94306, US,  
SCHUETZE Hinrich, 100 Portola Drive #1, San Francisco, CA 94131-1552, US,

Legal Representative:

OLIFF James A (et al) (agent), Oliff & Berridge, PL, P.O. Box 19928,  
Alexandria, VA 22320, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200067159 A2-A3 20001109 (WO 0067159)

Application: WO 2000US12042 20000504 (PCT/WO US0012042)

Priority Application: US 99305844 19990505

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 14069

Main International Patent Class: G06F-017/30  
Fulltext Availability:  
Detailed Description

#### Detailed Description

... keyword searches on page content (such as AltaVista, Excite, and Infoseek, among many others).

Also known are **recommendation** systems, which are capable of providing Web site **recommendations** based on criteria provided by a user or by comparison to a single preferred document (e.g., Firefly, Excite's "more like this" feature).

4

"Google" (www.,aoogle.com) is an example of a **search** engine that incorporates **several recommendation** -system-tike **features**. It operates in a similar manner to traditional keyword-based **search** engines, in that a **search** begins by the user's entry of one or more search terms used in a pattern-matching...

15/3,K/44 (Item 44 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00554420 \*\*Image available\*\*  
USE OF ELECTRONIC SHOPPING CARTS TO GENERATE PERSONAL RECOMMENDATIONS  
UTILISATION DE CARTES D'ACHATS ELECTRONIQUES POUR ELABORER DES  
RECOMMANDATIONS PERSONNELLES

Patent Applicant/Assignee:

AMAZON COM,

Inventor(s):

JACOBI Jennifer A,

BENSON Eric A,

LINDEN Gregory D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200017793 A1 20000330 (WO 0017793)

Application: WO 99US21108 19990913 (PCT/WO US9921108)

Priority Application: US 98156237 19980918

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK  
LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY  
KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English  
Fulltext Word Count: 10798

Main International Patent Class: G06F-017/60  
Fulltext Availability:  
Detailed Description

#### Detailed Description

... that are known to be of interest to the user. For example, a content-based Web site **recommendation** service may operate by parsing

the user's favorite Web pages to generate a profile of commonly-occurring terms, and then use this profile to **search** for other Web pages that include some or all of these terms.

Content-based systems have **several** significant **limitations**. For example, contentbased methods generally do not provide any mechanism for evaluating the quality or popularity of...item-to-item mappings) stored in a mapping structure for subsequent look-up. This enables the personal **recommendations** to be generated rapidly and efficiently (such as in real-time in response to a **request** by the user), without sacrificing breadth of analysis.

**Another feature** of the invention involves using the current and/or recent contents of the user's shopping cart as inputs to the **recommendation** service (or to another type of **recommendation** service which generates **recommendations** given a unary listing of items).

For example, if the user currently has three items in his...

15/3,K/45 (Item 45 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00554419 \*\*Image available\*\*  
**COLLABORATIVE RECOMMENDATIONS USING ITEM-TO-ITEM SIMILARITY MAPPINGS**  
**RECOMMANDATIONS COMMUNES A L'AIDE DE TABLES DE CORRESPONDANCE DE SIMILARITE**  
**ARTICLE A ARTICLE**

Patent Applicant/Assignee:

AMAZON COM,  
Inventor(s):  
LINDEN Gregory D,  
JACOBI Jennifer A,  
BENSON Eric A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200017792 A1 20000330 (WO 0017792)  
Application: WO 99US20974 19990910 (PCT/WO US9920974)  
Priority Application: US 98157198 19980918

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR LC LK  
LR LS LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY  
KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 10860

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description "

Detailed Description

... that are known to be of interest to the user. For example, a content-based Web site **recommendation** service may operate by parsing the user's favorite Web pages to generate a profile of commonly-occurring terms, and then use this profile to **search** for other Web pages that include some or all of these terms.

Content-based systems have **several** significant **limitations**. For example, contentbased methods generally do not provide any mechanism for evaluating the quality or popularity of...item-to-item mappings) stored in a mapping structure for subsequent look-up. This enables the personal



recommendations to be generated rapidly and efficiently (such as in real-time in response to a request by the user), without sacrificing breadth of analysis.

I 0 Another feature of the invention involves using the current and/or recent contents of the user's shopping cart as inputs to the recommendation service (or to another type of recommendation service which generates recommendations given a unary listing of items).

For example, if the user currently has three items in his...

15/3,K/46 (Item 46 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00554354 \*\*Image available\*\*

METHOD AND APPARATUS FOR QUERYING A USER KNOWLEDGE PROFILE  
PROCEDE ET APPAREIL D'ETABLISSEMENT D'UN PROFIL DE CONNAISSANCE

Patent Applicant/Assignee:

TACIT KNOWLEDGE SYSTEMS,  
GILMOUR David L,

Inventor(s):

GILMOUR David L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200017727 A2 20000330 (WO 0017727)

Application: WO 99US21112 19990913 (PCT/WO US9921112)

Priority Application: US 98157093 19980918; US 99270974 19990317

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US  
UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM  
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM  
GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 17952

Main International Patent Class: G06F-015/16

Fulltext Availability:

Detailed Description

Detailed Description

... a user knowledge profile are identified. In one exemplary embodiment, where the query is to identify and suggest targets for an electronic document (e.g., an e-mail or a report), the query terms may...

...relevant electronic document. Alternatively,.

the query terms may be search terms inputted by an originator of the query .

At step 706, a first matching operation is performed between the relevant query terms and knowledge terms (or other parameters ) in a 11 public" portion of each user knowledge profile that is accessible by the method 700...

15/3,K/48 (Item 48 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00552836      \*\*Image available\*\*  
DYNAMIC MATCHINGTM OF USERS FOR GROUP COMMUNICATION  
CORRESPONDANCE DYNAMIQUEM DES UTILISATEURS POUR LA COMMUNICATION EN GROUPE  
Patent Applicant/Assignee:

LOCAL2ME COM INC,  
OLIVIER Michael,

Inventor(s):

OLIVIER Michael,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200016209 A1 20000323 (WO 0016209)

Application: WO 99US21589 19990915 (PCT/WO US9921589)

Priority Application: US 98100387 19980915; US 99115566 19990112; US  
99143947 19990715

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US  
UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ  
TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI  
CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 15766

Main International Patent Class: G06F-015/16

Fulltext Availability:

Detailed Description

Detailed Description

... allow each user to select from one or more available moderators which  
moderator he wants, if any.

Another feature is to allow the acceptance criteria to include a  
complex search predicate, an example of which is " recommend \* ORTor  
sale' OR (city and police)". Processes for applying such a search  
predicate are well know by...created content that matching subscribers  
have previously contributed to the web site, such as interesting web  
links, recommendations (such as gardener, electrician, or restaurant),  
photos, calendar entries, etc. It also displays a way in which...

...content is stored in a user web contribution table in the database.  
The web site also provides searching of matching subscribers' web  
sites, from those who have specified a web home page in their base user  
profile data.

Another additional feature is a periodic process that runs on the  
database server that performs cleanup operations. It deletes expired...

15/3,K/49      (Item 49 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00516676      \*\*Image available\*\*

IMPROVED SEARCH ENGINE

MOTEUR DE RECHERCHE AMELIORE

Patent Applicant/Assignee:

GLOBALBRAIN NET INC,

Inventor(s):

RYAN Grant James,

RYAN Shaun William,

RYAN Craig Matthew,

MUNRO Wayne Alistar,

ROBINSON Del,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9948028 A2 19990923

Application: WO 99US5588 19990316 (PCT/WO US9905588)

Priority Application: US 9878199 19980316; US 98115802 19980715

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE  
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK  
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU  
ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH  
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW  
ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 24678

Patent and Priority Information (Country, Number, Date):

Patent: ... 19990923

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Publication Year: 1999

Detailed Description

... computer. It is all included as a natural extension to the other search engine data sets

The **suggested** web-sites can be displayed for the user when they next access the search engine or they may choose to be notified of these **suggested** web pages via e-mail notification. This way web pages can be drawn to the user's attention without any active **searching** for these keywords

**Another feature** of the present is illustrated by Fig 18, and involves automatic web-page **suggestion** based on how the user has **searched** in the past and requires no active input from the user

As shown, in step 620, upon...

15/3,K/51 (Item 51 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00428795 \*\*Image available\*\*

SYSTEM AND METHOD FOR MANAGING AND SERVING CONSUMER PRODUCT RELATED INFORMATION OVER THE INTERNET

SYSTEME ET PROCEDE PERMETTANT DE GERER ET DE TRANSMETTRE SUR INTERNET DES INFORMATIONS RELATIVES A DES PRODUITS DE CONSOMMATION

Patent Applicant/Assignee:

IPF INC,

PERKOWSKI Thomas J,

Inventor(s):

PERKOWSKI Thomas J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9819259 A1 19980507

Application: WO 97US19227 19971027 (PCT/WO US9719227)

Priority Application: US 96736798 19961025; US 96752136 19961119; US 97826120 19970327; US 97854877 19970512; US 97871815 19970609; US 97936375 19970924

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE

KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE  
SG SI SK TJ TM TR TT UA UG US UZ VN GH KE LS MW SD SZ UG ZW AM AZ BY KG  
KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ  
CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English  
Fulltext Word Count: 41713

Patent and Priority Information (Country, Number, Date):

Patent: ... 19980507

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Publication Year: 1998

Detailed Description

... that can be used nationally and internationally so that users can locate good and services through simple **searching** and browsing methods. In turn, **more** advanced **features**, such as comparison shopping, can be added as "intelligent agent" software programs are refined to enable users to **search** and retrieve products linked to these structures." While the NIIT's Universal Product and Service Code Project seeks ways of locating specific goods and services on the Internet, all 0 proposals therefor **recommend** the development of formalized coding standards and searching and browsing methods which are expensive and difficult to...

15/3,K/52 (Item 52 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00391523 \*\*Image available\*\*

**AUTOMATED TRAVEL PLANNING SYSTEM**

**SYSTEME AUTOMATISE DE PLANIFICATION DE DEPLACEMENTS**

Patent Applicant/Assignee:

ELECTRONIC DATA SYSTEMS CORPORATION,

Inventor(s):

LYNCH Michael F,

TURNER Jonathan A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9732266 A1 19970904

Application: WO 97US2741 19970224 (PCT/WO US9702741)

Priority Application: US 96609034 19960229

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 4731

Patent and Priority Information (Country, Number, Date):

Patent: ... 19970904

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Publication Year: 1997

Detailed Description

... 22 contains separate information for each travel agency, System 10 receives information relating to an incoming travel **request** from a customer. Typically, this travel **request** information includes a general travel itinerary outlining **various** minimum **parameters** for travel, such as, for example, times/dates of travel and

the type(s) of travel services required. In response to the travel request information, system 10 determines a **recommended** travel plan or policy that balances between the preferences of the individual traveler, a business entity employing...

15/3,K/53 (Item 53 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00376053 \*\*Image available\*\*  
SYSTEM FOR CUSTOMIZED ELECTRONIC IDENTIFICATION OF DESIRABLE OBJECTS  
SYSTEME DE REPERAGE ELECTRONIQUE PERSONNALISE D'OBJETS DE RECHERCHE

Patent Applicant/Assignee:

HERZ Frederick S M,  
EISNER Jason M,  
SMITH Jonathan M,  
SALZBERG Steven L,

Inventor(s):

HERZ Frederick S M,  
EISNER Jason M,  
SMITH Jonathan M,  
SALZBERG Steven L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9716796 A1 19970509  
Application: WO 96US17981 19961029 (PCT/WO US9617981)  
Priority Application: US 95551198 19951031

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AU BR BY CA CN EE IL IS JP KP KR KZ LV MN MX NZ RU SG TM TR UA UZ VN

AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 51971

Patent and Priority Information (Country, Number, Date):

Patent: ... 19970509

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Publication Year: 1997

Detailed Description

... use of the capabilities of this system is to manage a user's investment portfolio. Instead of **recommending** articles to the user, the system **recommends** target objects that are investments. As illustrated above by the example of stock market investments, many **different attributes** can be used together to profile each investment. The user's past investment behavior is characterized in the user's **search** profile set or target profile interest summary, and this information is used to match the user with...

File 348:EUROPEAN PATENTS 1978-2005/Dec W04

(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20051229,UT=20051222

(c) 2005 WIPO/Univentio

Set	Items	Description
S1	278449	(COLLABORAT? OR COOPERAT? OR CO()OPERAT? OR SOCIAL) (3N) FIL- TER??? OR RECOMMEND?????? OR SUGGEST????
S2	2226895	QUERY??? OR QUERIE? ? OR REQUEST??? OR SEARCH???
S3	318662	(SECOND??? OR 2ND OR ANOTHER OR OTHER OR DIFFERENT OR MULT- IPLE OR MULTIPLICITY OR SEVERAL OR MORE OR PLURAL? OR DUAL? OR VARIOUS OR ADDITIONAL OR TWO) (3W) (CRITERIA OR CRITERION OR R- EQUIRED OR REQUIREMENTS OR CONDITION? ? OR OPTION? ?)
S4	9002	S2 (20N) S3
S5	183	S1 (50N) S4
S6	110	S5 AND IC=G06F
S7	45	S6 AND AC=US/PR AND AY=(1970:1999)/PR
S8	45	S6 AND AC=US AND AY=1970:1999
S9	45	S6 AND AC=US AND AY=(1970:1999)/PR
S10	11	S6 AND PY=1970:1999
S11	52	S7:S10
S12	52	IDPAT (sorted in duplicate/non-duplicate order)

12/3,K/5 (Item 5 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2006 European Patent Office. All rts. reserv.

01038033

A MULTI-ELEMENT CONFIDENCE MATCHING SYSTEM AND THE METHOD THEREFOR  
EIN MULTI-ELEMENT VERTRAUENSENTSPRECHUNGSSYSTEM UND VERFAHREN HIERFUR  
SYSTEME SECURISE DE CORRESPONDANCES MULTI-ELEMENT ET PROCEDE CONNEXE  
PATENT ASSIGNEE:

WEBPLUS Ltd, (4532970), Drake Chambers, Road Town, Tortola, British  
Virgin Islands, (VG), (Proprietor designated states: all)

INVENTOR:

BI, Fujun, 275 Fu Wai North Street, Beijing 100037, (CN)  
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BLISS, Shaun, 915 Shorepoint Court E215, Alameda, CA 94501, (US)  
NOJOOMI, Reza, 415 Reflections Circle 25, San Ramon, CA 94583, (US)  
YAN, Hong, 268 East Ridge, San Ramon, CA 94583, (US)

LEGAL REPRESENTATIVE:

Muller, Enno, Dipl.-Ing. et al (55103), Rieder & Partner Anwaltskanzlei  
Corneliusstrasse 45, 42329 Wuppertal, (DE)

PATENT (CC, No, Kind, Date): EP 1032893 A1 000906 (Basic)  
EP 1032893 B1 040728  
EP 1032893 B1 040728  
WO 1999017224 990408

APPLICATION (CC, No, Date): EP 97942754 970929; WO 97CN96 970929

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-017/30

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200431	1007
CLAIMS B	(German)	200431	965
CLAIMS B	(French)	200431	1326
SPEC B	(English)	200431	5648
Total word count - document A			0
Total word count - document B			8946
Total word count - documents A + B			8946

INTERNATIONAL PATENT CLASS: G06F-017/30

...SPECIFICATION computer trade matching system and a computer trade  
matching method according to the appended claims.

It is **suggested** that in the computer matching system of the present  
invention, said requirement includes **multiple** elements as **search**  
**criteria**, each of said elements is assigned a weight of importance  
thereby each matching result has a **search** score indicating satisfaction  
level of said user. It is preferred that said search engine further  
perform ordering...

12/3,K/10 (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00818638 \*\*Image available\*\*

SYSTEM FOR PREDICTING OR DETERMINING GARMENT FIT

SYSTEME PERMETTANT DE PREVOIR OU DE DETERMINER SI UN VETEMENT EST ADAPTE A  
UN CLIENT

Patent Applicant/Inventor:

SILVERMAN Jeff, 25 Langner Lane, Weston, CT 06883, US, US (Residence), US  
(Nationality)

Legal Representative:

DERNIER Matthew B (et al) (agent), Lerner, David, Littenberg, Krumholz &

Mentlik, LLP, 600 South Avenue West, Westfield, NJ 07090-1497, US,  
Patent and Priority Information (Country, Number, Date):

Patent: WO 200152140 A1 20010719 (WO 0152140)  
Application: WO 2000US34685 20001221 (PCT/WO US0034685)  
Priority Application: US 99172919 19991221

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5730

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... with other brands of  
dress shirts similar to the identified dress shirt provided by  
the customer. In **searching** for other brands of dress shirt,  
the processing unit 110 may utilize **other criteria** within the  
classification, such as material characteristics, 2-D pattern  
characteristics, etc. Accordingly, the retail sales clerk 108A  
may **suggest** to the customer 110 that it is unlikely that he  
will find a Ralph Lauren, Polo, dress shirt which will fit to  
his liking and **recommend** another brand which will likely meet  
the customer's fit requirements.  
Alternatively, buyers 108B of apparel may...

12/3,K/11 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00809290 \*\*Image available\*\*

SEARCH QUERY REFINEMENT USING RELATED SEARCH PHRASES

AFFINAGE DE DEMANDES DE RECHERCHE A L'AIDE DE GROUPES DE MOTS DE RECHERCHE  
APPARENTES

Patent Applicant/Assignee:

AMAZON COM INC, P.O. Box 81226, Seattle, WA 98108-1226, US, US

(Residence), US (Nationality)

Inventor(s):

WHITMAN Ronald M, 8251 Densmore Avenue North, Seattle, WA 98103, US,

SCOFIELD Christopher L, 2557 25th Avenue E., Seattle, WA 98112, US,

Legal Representative:

DELANEY Karoline A (agent), Knobbe, Martens, Olson & Bear, LLP, 620

Newport Center Drive, 16th Floor, Newport Beach, CA 92660, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200142880 A2-A3 20010614 (WO 0142880)

Application: WO 2000US42576 20001205 (PCT/WO US0042576)

Priority Application: US 99170151 19991210; US 2000533230 20000322

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ CZ (utility  
model) DE DE (utility model) DK DK (utility model) DM DZ EE EE (utility  
model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG



KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU  
SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9705

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... too many matches (e.g., over 100) may be ignored, or accorded a lesser weight, to avoid **suggesting** search phrases that produce large query results.

Although the exemplary scores 146 for the related **search** phrases are based solely on frequency of **search** phrase occurrence in the illustrated embodiment, **other** types of **criteria** may additionally or alternatively be used. As mentioned above, such criteria may include, for example, the frequency with which the **search** phrase produced a user action indicative of a successful search, such as an item viewing event, an...

12/3,K/15 (Item 15 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00806383

COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING  
DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT  
AND METHOD THEREOF

PLANIFICATION EN COLLABORATION DES CAPACITES ET GESTION ANTICIPEE DES  
STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN  
ENVIRONNEMENT DE CHAINE D'APPROVISIONNEMENT FONDEE SUR LE RESEAU ET  
PROCEDE ASSOCIE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US

(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill  
Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139029 A2 20010531 (WO 0139029)

Application: WO 2000US32309 20001122 (PCT/WO US0032309)

Priority Application: US 99444655 19991122; US 99444886 19991122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ  
UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 157840

Main International Patent Class: G06F-017/60

Fulltext Availability:  
Detailed Description

#### Detailed Description

... quality management network data may include constraint data,  
70  
capacity data, service class quality data, service modification  
**recommendations**, **additional capacity requirements**, performance  
**requests**, and/or usage **requests**, Finally, in step 2006, a network  
process to which to send the generated data is identified.

Figure...

12/3,K/36 (Item 36 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00779712 \*\*Image available\*\*  
**DETECTION OF INSURANCE PREMIUM FRAUD OR ABUSE USING A PREDICTIVE SOFTWARE  
SYSTEM**

**DETECTION DE LA FRAUDE ET DES ABUS AUX PRIMES D'ASSURANCE A L'AIDE D'UN  
SYSTEME DE LOGICIEL PREDICTIF**

Patent Applicant/Assignee:

HNC SOFTWARE INC, 5930 Cornerstone Court West, San Diego, CA 92121-3828,  
US, US (Residence), US (Nationality)

Inventor(s):

LUK Ho Ming, 6116 Sunset Crest Way, San Diego, CA 92121, US  
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DEO Arati S, 12180 Ragweed Street, San Diego, CA 92129, US  
DOWNS Sean M, 26681 White Oaks Drive, Laguna Hills, CA 92653, US  
FRIESEN Benjamin A, 4433 Gundry Avenue, Long Beach, CA 90807, US  
NIES Craig A, 2722 Fernglen Road, Carlsbad, CA 92008, US  
PATHRIA Anu K, 8275 El Paseo Grande, La Jolla, CA 92037, US

Legal Representative:

SACHS Robert R, Fenwick & West LLP, Two Palo Alto Square, Palo Alto, CA  
94306, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200113295 A1 20010222 (WO 0113295)  
Application: WO 2000US21298 20000804 (PCT/WO US0021298)  
Priority Application: US 99373926 19990812

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK EE ES FI GB GE  
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK  
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN YU ZA  
ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 28661

Main International Patent Class: G06F-017/60

Fulltext Availability:  
Detailed Description

#### Detailed Description

... to use the scoring period that was submitted. The policy selection

process 610 can be configured to **suggest** an alternate, valid scoring period, if one exists.

In sen-ii-automated mode, the user subn-dts...

...604 for the policy selection process 610 to consider, but unlike the fully user-controlled mode, no **additional** scoring **criteria** are given. The list may be selected manually or by **queries** to the database, e.g., on any of the fields of the database, using a general database...

12/3,K/38 (Item 38 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00777014 \*\*Image available\*\*

**APPARATUS AND METHODS FOR COLLABORATIVELY SEARCHING KNOWLEDGE DATABASES**  
**APPAREIL ET PROCÉDES DE RECHERCHE COLLABORATIVE DANS DES BASES DE**  
**CONNAISSANCES**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Legal Representative:

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32802-3791, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200109747 A2-A3 20010208 (WO 0109747)

Application: WO 2000US20288 20000726 (PCT/WO US0020288)

Priority Application: US 99365927 19990802

Parent Application/Grant:

Related by Continuation to: US 99365927 19990802 (CON)

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE  
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK  
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN  
YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5812

Main International Patent Class: **G06F-017/30**

Fulltext Availability:

Detailed Description

Detailed Description

... in the form of text, images, audio, video, or other media can advantageously be attached to content **recommendations** and notifications according to **recommendation** submitters' content providers, or **other** filter **criteria**. Meta-information about content can be submitted and associated with the appropriate content.

Meta-information **requesters** can be used to access information and receive notifications about content reviews, rankings, and changes in content...other sites and

modifying the layout with icons and hyperlinks to enable users to easily view ratings, **recommend** content, and/or notify, share, stash, content through associated icons.

3S More particularly, the present invention provides...40 that requested notifications on that Topic are notified as in step 305. Facilities are provided to **Recommenders** 42 to find topics that have been requested.

They may be filtered and presented to the **Recommenders** 42 PCT/USOO/20288 according to criteria such as topic, Credit bounty, date, or **other criteria**. This allows **Recommenders** 42 to **recommend** content for topics of special interest to **Searchers** 32. Also, the content **search** results advantageously can be weighted based upon time (e.g., last month vs. last year), the particular **recommender** or user, frequency, number, or other criteria.

A meta-information review method 400 of the apparatus 10...

12/3,K/41 (Item 41 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00761432

**METHODS, CONCEPTS AND TECHNOLOGY FOR DYNAMIC COMPARISON OF PRODUCT FEATURES AND CUSTOMER PROFILE**

**PROCEDES, CONCEPTS ET TECHNIQUE DE COMPARAISON DYNAMIQUE DE CARACTERISTIQUES D'UN PRODUIT ET DU PROFIL DES CONSOMMATEURS**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200073958 A2 20001207 (WO 0073958)

Application: WO 2000US14459 20000524 (PCT/WO US0014459)

Priority Application: US 99320818 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 151011

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... databases. A good example of teamware is the Knowledge Xchange.

Teamware may be used to share many **different** types of information, for example.

- 0 Technical support **requests**
- \* Technical hints, which facilitate trouble-shooting
- 0 Change **requests**
- 0 Resource reservation (for example, meeting rooms)
- 0 Standards and procedures
- 0 Status reports/meeting minutes
- 9 Project member availability
- 9 Project events and milestones
- 0 Functional and technical issues
- 0 **Suggestions**
- \* Project methodology

In order to guarantee the value of a teamware environment, it is vital that.

Consistency...

12/3,K/43 (Item 43 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00753782 \*\*Image available\*\*  
SYSTEM AND METHOD FOR SEARCHING AND RECOMMENDING DOCUMENTS IN A COLLECTION  
USING SHARED BOOKMARKS  
SYSTEME ET PROCEDE DE RECHERCHE ET DE RECOMMANDATION DE DOCUMENTS DANS UNE  
COLLECTION A L'AIDE DE SIGNETS PARTAGES

Patent Applicant/Assignee:

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SCHUETZE Hinrich, 100 Portola Drive #1, San Francisco, CA 94131-1552, US,

Legal Representative:

OLIFF James A (et al) (agent), Oliff & Berridge, PL, P.O. Box 19928,  
Alexandria, VA 22320, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200067159 A2-A3 20001109 (WO 0067159)  
Application: WO 2000US12042 20000504 (PCT/WO US0012042)  
Priority Application: US 99305844 19990505

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14069

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

#### Detailed Description

... selected context or dissimilar to the selected context. A known example of positive relevance feedback is the "more like this" option provided by the Excite search engine.

The subject, context, and relevance feedback are then processed by the database 120 to generate recommendations (step 1440). This step uses the popularity (proportion of users having a bookmark) metric 1450, frequency of use metric 1460, and recency of use metric 1470 described above. The recommendation generation step searches the public bookmarks belonging to the user or group selected as the context (or...

12/3,K/44 (Item 44 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00738063 \*\*Image available\*\*

SYSTEM AND METHOD OF PROVIDING PERSONALIZED E-COMMERCE RECOMMENDATIONS VIA THE INTERNET

SYSTEME ET PROCEDE DESTINES A FOURNIR DES CONSEILS PERSONNALISES SUR INTERNET EN MATIERE DE COMMERCE ELECTRONIQUE

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)

COOK GALLI Margaret, 8th Street and Giodano Lane, Hammonton, NJ 08037, US  
, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

SOFER Joseph (agent), Sofer & Haroun, LLP, Suite 1921, 342 Madison Avenue, New York, NY 10173, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200051050 A1 20000831 (WO 0051050)

Application: WO 2000US4790 20000225 (PCT/WO US0004790)

Priority Application: US 99122024 19990226

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 13217

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Claims

#### Detailed Description

... match their profiles and preferences. Indeed, as described above, the I-Shop section responds to a user search request by contacting the database system to match the user's profile, as well as any

24

other supplied criteria, with corresponding products from the database. It is the task of the I-Shop section to provide users with

products **recommendations** that are personalized to their individual preferences and interests. Such **recommendations** are typically generated by the database system via an automated process, as described in more detail herein...the user is looking for a sweater he or she indicates so as a criterion in the **search**. Furthermore, the user may enter **other criteria**, such as price information, brand information, etc.

At step 606, the system **searches** the database system and retrieves the personalized product **recommendations** for the user. As described above, the personalized **recommendations** are based on matching the profile and preferences of the user with similar preferences, attributes and **other criteria** associated with the plurality of products in the database. Thus, if a user is **searching** for books, and that user has previously informed the system that he or she has a preference for mystery books, the system will retrieve product **recommendations** that mostly relate to mystery books. Specifically, the system matches the user book preference of 'mystery' with...

Claim

... on a calendar.

10 The method of claim 8, further comprising the step of providing said product **recommendations** to said user at a date specified by said user that corresponds to the date of said...

...further comprising the step of allowing said user to access on-line professional shopper so as to **request** said product **recommendations**.

13 The method of claim 8, further comprising the step of associating said profile with a **plurality** of preferences **criteria**.

14 The method of claim 8, further comprising the step of allowing said user to access said...

...via the Internet.

15 The method of claim 8 further comprising the step of providing said product **recommendations** to said user via e-mail.

45

. The method of claim 8 further comprising the step of...

12/3,K/46 (Item 46 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00576353

SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A COMPATIBILITY-AWARE  
RECOMMENDATION ENGINE  
SYSTEME, PROCEDE ET PIECE MANUFACTUREE DESTINES A UN MOTEUR DE  
RECOMMANDATION SENSIBLE A LA COMPATIBILITE

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

GARRETT Arthur S (et al) (agent), Finnegan, Henderson, Farabow, Garrett &  
Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005-3315, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200039726 A2-A3 20000706 (WO 0039726)  
Application: WO 99US30358 19991221 (PCT/WO US9930358)  
Priority Application: US 98219585 19981223

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 16314

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... certain period of time, for example the past six months. The web server presents the user with various options for browsing books including viewing by topic, searching for books based on author, title, or ISBN, browsing best sellers, or simply asking for recommendations. Whenever a specific book or small set of books is sought, the web server can request recommendation scores from the compatibility aware I 0 recommendation engine for recommended books and present the recommendations to the user. These recommendation scores may be compatibility modified to help the user and the system...

12/3,K/48 (Item 48 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00565086 \*\*Image available\*\*

METHOD FOR AUTOMATED MEDICAL OUTCOMES DATA FEEDBACK, MEDICAL RECORDS INTEGRATION, AND HEALTHCARE PROVIDER RESPONSE

PROCEDE AUTOMATISE D'EXTRACTION DE DONNEES RELATIVES A DES RESULTATS MEDICAUX, D'INTEGRATION DE DOSSIERS MEDICAUX, ET DE REPOSE DU DISPENSATEUR DES SOINS

Patent Applicant/Assignee:

STEWART Duane,

Inventor(s):

STEWART Duane,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200028459 A2 20000518 (WO 0028459)

Application: WO 99US26473 19991110 (PCT/WO US9926473)

Priority Application: US 98107894 19981110; US 99372943 19990811

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM  
HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO  
NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE  
LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES  
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN  
TD TG

Publication Language: English

Fulltext Word Count: 11850

Main International Patent Class: G06F-019/00

Fulltext Availability:

Detailed Description



Detailed Description

... taking doxycycline for one week"

"No change after one week of doxycycline"

"Other - please explain."))

(protocol .

(intervention " **Recommendation** to stay on doxycycline and we will send another **request** for feedback in 3 days")

(question "Please select one or **more** responses concerning your condition .

File 275:Gale Group Computer DB(TM) 1983-2006/Jan 19  
(c) 2006 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2006/Jan 24  
(c) 2006 The Gale Group  
File 636:Gale Group Newsletter DB(TM) 1987-2006/Jan 24  
(c) 2006 The Gale Group  
File 16:Gale Group PROMT(R) 1990-2006/Jan 24  
(c) 2006 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 148:Gale Group Trade & Industry DB 1976-2006/Jan 24  
(c)2006 The Gale Group  
File 624:McGraw-Hill Publications 1985-2006/Jan 23  
(c) 2006 McGraw-Hill Co. Inc  
File 15:ABI/Inform(R) 1971-2006/Jan 23  
(c) 2006 ProQuest Info&Learning  
File 647:CMP Computer Fulltext 1988-2006/Jan W5  
(c) 2006 CMP Media, LLC  
File 674:Computer News Fulltext 1989-2005/Oct W2  
(c) 2005 IDG Communications  
File 696:DIALOG Telecom. Newsletters 1995-2006/Jan 23  
(c) 2006 Dialog  
File 369:New Scientist 1994-2006/Aug W4  
(c) 2006 Reed Business Information Ltd.  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 610:Business Wire 1999-2006/Jan 24  
(c) 2006 Business Wire.  
File 613:PR Newswire 1999-2006/Jan 24  
(c) 2006 PR Newswire Association Inc

Set	Items	Description
S1	3363094	(COLLABORAT? OR COOPERAT? OR CO()OPERAT? OR SOCIAL) () FILTE- R??? OR RECOMMEND?????? OR SUGGEST????
S2	3472313	QUERY??? OR QUERIE? ? OR REQUEST??? OR SEARCH???
S3	386968	(SECOND??? OR ANOTHER OR OTHER OR DIFFERENT OR MULTIPLE OR MULTIPLICITY OR SEVERAL OR MORE OR PLURAL? OR DUAL? OR VARIOUS OR ADDITIONAL OR TWO) (1W) (ATTRIBUTE OR ATTRIBUTES OR CRITERIA OR CRITERION OR REQUIRED OR REQUIREMENT? ? OR CONDITION? ?)
S4	228962	(SECOND??? OR ANOTHER OR OTHER OR DIFFERENT OR MULTIPLE OR MULTIPLICITY OR SEVERAL OR MORE OR PLURAL? OR DUAL? OR VARIOUS OR ADDITIONAL OR TWO) (1W) (PROPERTY OR PROPERTIES OR PARAMETE- R? ? OR CONSTRAINT? ? OR RESTRICTIONS)
S5	756955	(SECOND??? OR ANOTHER OR OTHER OR DIFFERENT OR MULTIPLE OR MULTIPLICITY OR SEVERAL OR MORE OR PLURAL? OR DUAL? OR VARIOUS OR ADDITIONAL OR TWO) (1W) (LIMITATION? ? OR FEATURE OR FEATUR- ES OR OPTION? ?)
S6	36855	S2(20N)S3:S5
S7	1148	S1(50N)S6(50N) (MATCH??? OR MEET??? OR SATISF???? OR RESULT- ??? OR LIST? ? OR LISTING? ? OR HITS OR SIMILAR??? OR RELATED)
S8	9772410	DATABASE? ? OR DATA()BASE? ? OR SEARCH()ENGINE? ? OR WEBSI- TE? ? OR WEBPAGE? ? OR (WEB OR INTERNET) () (SITE? ? OR PAGE? ?) OR REPOSITOR??? OR LIBRARY OR LIBRARIES OR DIRECTORY OR DIRE- CTORY
S9	880	S1(50N)S6(50N)S8(50N) (MATCH??? OR MEET??? OR SATISF???? OR RESULT??? OR LIST? ? OR LISTING? ? OR HITS OR SIMILAR??? OR R- ELATED)
S10	432	S9 NOT PY=2000:2006
S11	5836	S6(30N)S8(30N) (MATCH??? OR MEET??? OR SATISF???? OR RESULT- ??? OR LIST? ? OR LISTING? ? OR HITS OR SIMILAR??? OR RELATED)
S12	334	S11(50N)S1
S13	151	S12 NOT PY=2000:2006
S14	112	RD (unique items)

14/3,K/1 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2006 The Gale Group. All rts. reserv.

02248840 SUPPLIER NUMBER: 53342723 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Rule, Britannica.(Encyclopaedia Britannica CD 99 Multimedia Edition  
electronic reference).(Software Review)(Evaluation)**  
Computer Shopper, 266(1)  
Jan, 1999  
DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 287 LINE COUNT: 00026

... although you can also ask questions--such as "Who was David  
Hume?"--and get a **list** of articles answering the **query** .

Besides the basics, Britannica has added **several** new **features** ,  
such as the ability to take notes within articles, and the Discovery Guide,  
a 12-page booklet filled with **suggestions** for encyclopedia-based family  
activities. Other standout features include Compass, which lets you get  
information...

14/3,K/10 (Item 10 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2006 The Gale Group. All rts. reserv.

01372860 SUPPLIER NUMBER: 08753074 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Sharing scientific data. (factors influencing willingness of scientists to  
share data with one another)**  
Sterling, Theodor D.; Weinkam, James J.  
Communications of the ACM, v33, n8, p112(8)  
August, 1990  
ISSN: 0001-0782 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 6136 LINE COUNT: 00504

... as BMD or SPSS. For example, we allow other investigators to use  
one of our **databases** , the Building Performance **Database** (BPD), only  
through the **Multiple Attribute Retrieval System (MARS)** [20]. The other  
possibility is to allow access only through a special statistical package  
that limits **queries** to statistical questions about large subsets of the  
data in a way that privacy or confidentiality cannot be breached. Such  
systems are known as statistical **databases** .

It is true that there is a great deal of literature on the theory and  
problems of statistical **databases** . Many authors **suggest** these systems  
would be useful for **databases** containing census information, medical  
records, or **results** of surveys which contain sensitive information whose  
privacy must be ensured. However, we were unable...

14/3,K/13 (Item 1 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)  
(c) 2006 The Gale Group. All rts. reserv.

02265350 Supplier Number: 58327480 (USE FORMAT 7 FOR FULLTEXT)  
**Online Investor Launches Latest Website Upgrades, Incorporates New Search  
Engine Technology and Customized Home Page and Portfolio Features.**  
Business Wire, p1285  
Dec 21, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 475

... functions include a special alert portfolio that tracks investment  
values while simultaneously updating important data **related** to those  
tickers. Furthermore, the Online Investor.com Stock Snoop filter notifies

users when news, analyst **recommendations**, SEC filings, trademarks, patents, Internet domain registrations and various forum postings **related** to specific stocks occur.

Many other one-click options are now available to investors for the first-time, including **search engine**, forum and newsgroup compilation and **search** functions using proprietary MagnetSearch, Inc. technology. In addition, registered users can activate **additional features** including portfolio snapshots, a customized home page and customized scrolling ticker.

Since its launch in...

14/3,K/14 (Item 2 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02258263 Supplier Number: 58262943 (USE FORMAT 7 FOR FULLTEXT)  
**Successories Launches Expanded Website; Notes Continuing Growth in Internet Sales.**

Business Wire, p1773

Dec 14, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 624

... the shopping experience much faster and more pleasant, we expect the strong growth rate in **website** orders to continue. We envision that the Internet will play a major role in our future growth plans."

The new **website** features the company's entire product line, which customers can **search** by **different criteria**, such as product category or theme. The **website** also offers a gift-finder section, which will **suggest** specific gift ideas based on criteria provided by the customer, and a teambuilding area, where visitors can find ideas from actual customers who have reported outstanding **results** by using Successories products to enhance team effectiveness.

Also included on the new **website** is the entire line of Successories awards and recognition products, most of which can be...

14/3,K/15 (Item 3 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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01790104 Supplier Number: 53585200 (USE FORMAT 7 FOR FULLTEXT)  
**MobilePlanet Hits the Road With Intelligent Electronic Commerce in Web Site From Stellcom.**

Business Wire, p0068

Jan 18, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1167

... 6.0 Development Tool Set, Site Server 3.0 and Windows NT."

Enhanced navigation and **search** features allow visitors to track down products by category, product class, manufacturer and **other criteria** with minimal mouse clicks.

**Another** convenience **feature** provides customers with complementary product information. Each time a screen is brought up for a particular product, a **list** of compatible accessories is displayed. A carrying case, for example, might be **suggested** as a companion purchase for a notebook computer.

A large collection of digital photographs on the SQL server **database** allows multiple views of most products. And, through the membership and personalization features, customers now...

14/3,K/16 (Item 4 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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01680966 Supplier Number: 50191747 (USE FORMAT 7 FOR FULLTEXT)  
**SJI Group Unveils Upgrades to its Premium Cigar Web Site.**  
Business Wire, p7231335  
July 23, 1998  
Language: English Record Type: Fulltext  
Article Type: Article  
Document Type: Newswire; Trade  
Word Count: 775

... completed a major upgrade of its Internet e-commerce premium cigar and tobacco Web site, **resulting** in enhanced functionality and greater ease of use for on-line shoppers.

Enhancements include a newly designed home page with links to other company **Web sites**, easy to use links to various product categories, including cigars, pipes, accessories, and a FAQ...

...the visitor to quickly zero-in on desired products and brands. Cigar shoppers can sort **search results** by box or bundle packaging, cigar ring gauge, or by **multiple criteria**. The site's new powerful **search engine** can also **search** by a cigar's country of origin, wrapper, length and average price. Once a particular product is selected, a wide range of information is displayed, including **suggested** retail price, SJI's price, country of origin, the origin and type of filler tobacco...

14/3,K/17 (Item 5 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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01572777 Supplier Number: 47998319 (USE FORMAT 7 FOR FULLTEXT)  
**PlanetSearch Networks Launched to Create Dynamic Communities on the Web**  
PR Newswire, p922SFM008  
Sept 22, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 950

... from other web services by providing powerful search capabilities and simple user customization. As a **result**, PlanetSearch provides a useful and easy Internet gateway. "Up to now, people click on their...

...icon to get onto the web and 'enter' what can be compared to a huge **library** of books and documents that has no structure," Leventhal said. "PlanetSearch is designed to provide...

...personalized view of the web."

Philips Research developed the PlanetSearch robust, state-of-the-art **search engine**, which responds effectively to "full-sentence queries" and presents **search results** with key terms color coded so that users can quickly determine whether the **search results match** their requirements. **Another** useful **feature** is **Search Alert**, which sends an e-mail notifying the user when updated information, relative to their **search**, is available.

PlanetSearch also enables users to create a personalized **web page** containing "hot links" to sites of personal interest. PlanetSearch aggregates interesting, useful and active **web sites** within various categories. PlanetSearch users can then select from these **recommended** sites or hotlink their favorites for easy access on the home page of the site...

14/3,K/25 (Item 5 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03377941 Supplier Number: 46948389 (USE FORMAT 7 FOR FULLTEXT)  
**MUSCAT LIMITED: Free at Online 96 -- A search engine with intelligence**  
M2 Presswire, pN/A  
Dec 5, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 508

... of probabilistic retrieval algorithms and statistical techniques.  
This raises the standard of the initial hit list, often providing exactly what the user is **searching** for. Muscat's **second** unique **feature** helps the user if the first list doesn't contain quite the information the user wants. Muscat involves the user in marking those documents which appear to be most relevant and then **suggests** new keywords to retrieve additional documents not sourced in the preliminary search. Together these features ensure the success of a search.

A free copy of the Muscat FX **search engine** combined with a Local Site Indexer will be available to qualifying Online delegates. This freeware...

14/3,K/34 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06294975 Supplier Number: 54474833 (USE FORMAT 7 FOR FULLTEXT)  
**The future Search Web of Search.**  
Sherman, Chris  
Online, v23, n3, p54(1)  
May, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 4394

... it's about getting things done," said HotBot's Truher. Rather than providing comprehensive search **results** for every query, the search service will try to attempt to understand user intent, and...

...re already seeing this trend emerge. Most of the major search services now segment results **lists** into "recommended" links of some sort, followed by traditional **results** generated by keyword **matching**. "I suspect we'll continue to have full-text **search engines**, but we can expect that **results** that are returned for some popular topics may have nothing to do with words on a page," said Danny Sullivan, editor of **Search Engine Watch**. "Instead, I think the full-text retrieval option will remain a backup to either preprogrammed **results**, or when **other** retrieval **options**, such as link popularity fail to provide good **matches**."

The **search** services are not relying solely on their own indexes or directories to provide optimal **results**, either. Some, most notably Lycos, are purchasing other search services and incorporating them into "networks ...

...attempt to become one-stop information resources. Others are creating partnerships to provide specialized search **results** -AltaVista's collection of search "gadgets," for example, and Infoseek's new incarnation is as...

14/3,K/35 (Item 4 from file: 16)  
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06061506      Supplier Number: 53457499      (USE FORMAT 7 FOR FULLTEXT)  
**Internet Search Engine Update.**

Notess, Greg

Online, v23, n1, p13(1)

Jan, 1999

Language: English      Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count:      753

... Dutch, German, Spanish, Finnish, Swedish, and Portuguese-plus a personal page type limit, available under **More Search Options**. Case sensitivity has been expanded beyond just unusual case recognition to **match** any usage of uppercase characters within the **search** terms.

AltaVista introduced its Full View Searching, available when using the Simple Search form. Full View Searching incorporates the question and answer search technology of Ask jeeves, **directory** search, and index search. The index search is the usual AltaVista search while the **directory** search continues to rely on LookSmart.

The question and answer technology displays several possible question/answer combinations before the Realnames display and before the regular search **results**, or index search **results** as AltaVista calls them. The directory search results from LookSmart appear below the index search results under the heading "AltaVista **Recommends** ." When using the Advanced Search, only the index search results are displayed.

AltaVista has added...

14/3,K/42      (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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11765658      SUPPLIER NUMBER: 57589059      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Finding information on the Internet can be as easy as typing "boat".**

Reilly, Chris

Boating Industry, 60, 5, 18

May, 1997

ISSN: 0006-5404

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT:      679

LINE COUNT:      00057

... distinguishes an article entitled, "Finding Profits in F&I," from an article that offers brief **suggestions** on how to sell marine finance and insurance.

Key words may also be searched for as substrings or as individual words. This means that The WebCrawler and similar search **engines** will conduct an AND/OR search.

For example, if you want to search for information on marine electronics, the **search engine** can find **matches** that include the words "marine," "electronics" and "marine electronics." Because there are many topics **related** to marine issues and many types of electronics, using the substring option is obviously the better way to narrow the **search**.

**Another option** is to expand or limit the number of **matches** the **search engine** shows you based on the confidence of the **match**. In other words, your search for "marine electronics" has **matched** 692 articles that contain the words "marine," "electronics" or "marine electronics." The most relevant information...

...of confidence -- containing both key words -- will be found in the first several articles the **search engine** presents. Article 692 might contain the word marine, but may actually concern oil rigs or...

14/3,K/43      (Item 3 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

11758504      SUPPLIER NUMBER: 56914842      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The Coming of Age of Search Engines.**  
Jacco, Peter  
Information Today, 15, 11, 26  
Dec, 1998  
ISSN: 8755-6286      LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 1587      LINE COUNT: 00122

... about the new jerseys coming into fashion this winter. I also like that AltaVista discretely **recommends** that searchers looking for Web sources about Irish music use a Java applet calendar of...

...and also offers to show them an encyclopedia article about Ireland while displaying highly relevant **Web pages** about the genre.

I like it even better that when I type in "encyclopedias," infoSeek ...

...and also does automatic pluralization and singularization (as Northern Light also does). These are far **more** intelligent **features** than the forced truncation mentioned before. The Northern Light **search engine** also offers user-controlled single- and multiple-character truncation, so "music\*" would retrieve "music," "musical..."

...virtue of auto pluralization) but also "Hawaiiana."

I appreciate that Excite offers to sort the **results** by URL, to group **results** from the same **Web site** under a single entry, and to ungroup them (an option also possible in infoSeek). While...

14/3,K/53      (Item 13 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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10064750      SUPPLIER NUMBER: 20334102      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Why we need to learn a new searching language.(The Internet Search-Off)**  
Searcher, v6, n2, p34(2)  
Feb, 1998  
ISSN: 1070-4795      LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 1276      LINE COUNT: 00101

... a different search engine. Remember that the virtue of statistical searching lies in returning partial **matches** as well as exact ones. Some of these may appear very far-fetched. If the...

...documents stray too far from what you intended, don't keep looking down the long **list** of titles. Instead, try a different approach.

Principle 7: Put the most central words and concepts first. Some **search engines** appear sensitive to word order.

Principle 8: If the **search engine** offers a "refine" possibility, use it instead of Boolean operators to narrow down a **query**. Refine lets you define a large set and then add **more parameters** to it in order to narrow the initial retrieval. It **searches** only within the current set you've already defined.

Principle 9: Ignore the above, until you have to. Remember that the **search engines** have designed their software to work for "real people." For example, Infoseek's John Nauman (VP, Engineering) **suggests** not worrying about how to phrase a query. Instead, take advantage of Infoseek's natural...

14/3,K/54      (Item 14 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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10017694      SUPPLIER NUMBER: 20215231      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**News archives: one-stop shopping, boutique hopping and the specialty news  
search site. (includes related article Battle of the Search Engines)**  
Paul, Nora  
Searcher, v6, n1, p64(7)  
Jan, 1998  
ISSN: 1070-4795      LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 5161      LINE COUNT: 00398

... news sites appear on the list. The display of the news story abstract in the **results list** differs greatly depending on the news site the article was retrieved from. And sometimes they do not even indicate the date the story appeared.

**Suggestions** : Work harder to verify the accuracy of your links. If you have a problem with some of the news sites removing documents too quickly, stop including **results** from those sites in the **database**.

**Other Features** : News Index -- Delivered is a custom **search** service which delivers articles which fit the profile you've created to your e-mail...

...a profile on El Nino, British nanny Louise Woodward, and Cowles Media. Each day, a **listing** of **Web site** news stories which pertained to the topics I profiled went to my e-mail box...

...November 10th, the profile from News Index -- Delivered in my e-mail box contained a **listing** with links to 21 stories from such sites as CNN, Fox News. The Los Angeles...

14/3,K/55      (Item 15 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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09922416      SUPPLIER NUMBER: 20029503      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Refining the Internet in '97.(database vendors and search engines refine  
their services)**  
Notess, Greg R.  
Database, v20, n6, p62(3)  
Dec, 1997  
ISSN: 0162-4105      LANGUAGE: English      RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 2508      LINE COUNT: 00197

... the characters of these languages.

AltaVista's LiveTopics experiment became an official part of its **search engine** during the year. No longer called LiveTopics, the same feature is now available after running any search and then choosing the "refine" option. AltaVista then **suggests** possible **related** terms to add or exclude from further **searching**. In addition to the refine capabilities, AltaVista has added **another feature** to make it easier to browse **results**. A small icon at the left in the **search results** allows easy retrieval of a specific hit in a new window. This keeps the original **search results** window open for easy browsing.

Users can also customize AltaVista search options. This new preferences...

14/3,K/60      (Item 20 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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09500195      SUPPLIER NUMBER: 19436362      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**WebSeeker finds more than what it's told. (ForeFront Group WebSeeker  
3.0) (Intranet World) (Software Review) (Evaluation)**  
LoCascio, Shawn P.  
InfoWorld, v19, n19, p68G(1)

May 12, 1997

DOCUMENT TYPE: Evaluation ISSN: 0199-6649

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 902 LINE COUNT: 00070

...ABSTRACT: Group's \$50 WebSeeker 3.0 is a fairly powerful Web-search utility that consolidates **results** obtained from multiple **search engines** into a single view and can be configured to launch directly from the **search** button in Microsoft Internet Explorer. The program has **several options**, the fastest of which is InstantFind. InstantFind completes the **search** and automatically removes duplicate **hits**; CleanFind is slower but removes sites that are not available as well. FilterFind is the...

...The program has an integrated but very limited browser and is slow when building a **Web page** of search **results**. WebSeeker has several faults; its **results** are not ranked for relevancy, and the results tend not to be descriptive enough. It is nevertheless useful enough to be worth **recommending**.

14/3,K/62 (Item 22 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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09291032 SUPPLIER NUMBER: 19079257 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Adding value to your online results.(The Technophile)(Column)**

Schwarzwalder, Robert

Database, v20, n1, p47(3)

Feb-March, 1997

DOCUMENT TYPE: Column ISSN: 0162-4105

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2364 LINE COUNT: 00185

... advantage of our profession. But how far do we really go to answer a question? **Multiple searching options** by databanks have encouraged sloppy **searching**. To really squeeze the **results** from most **databases** you need to use their unique controlled vocabularies and search fields. Using **databases** like Chemical Abstracts, BIOSIS, or INSPEC without taking advantage of their special strengths provides very little advantage over an end-user search. For these powerhouse **databases**, you should know the details of their indexing inside and out.

This is not to **suggest** that you should limit your searching to one database or one database provider. Too many...

14/3,K/85 (Item 2 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01812094 04-63085

**The future of Web search**

Sherman, Chris

Online v23n3 PP: 54-61 May/Jun 1999

ISSN: 0146-5422 JRNL CODE: ONL

WORD COUNT: 4411

...TEXT: it's about getting things done," said HotBot's Truher. Rather than providing comprehensive **search results** for every query, the search service will try to attempt to understand user intent, and...

...re already seeing this trend emerge. Most of the major search services now segment results **lists** into "recommended" links of some sort, followed by traditional **results** generated by keyword **matching**. "I suspect we'll continue to have fulltext **search engines**, but we can expect that

**results** that are returned for some popular topics may have nothing to do with words on a page," said Danny Sullivan, editor of **Search Engine Watch**. "Instead, I think the full-text retrieval option will remain a backup to either preprogrammed **results**, or when **other** retrieval **options**, such as link popularity fail to provide good **matches**." The **search** services are not relying solely on their own indexes or directories to provide optimal **results**, either. Some, most notably Lycos, are purchasing other search services and incorporating them into "networks ...

...attempt to become one-stop information resources. Others are creating partnerships to provide specialized search **results** -AltaVista's collection of search "gadgets," for example, and Infoseek's new incarnation is as...

14/3,K/91 (Item 8 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01539056 01-90044  
**Refining the Internet in '97**  
Notess, Greg R  
Database v20n6 PP: 62 Dec 1997  
ISSN: 0162-4105 JRNL CODE: DTB  
WORD COUNT: 2391

...TEXT: the characters of these languages.

AltaVista's LiveTopics experiment became an official part of its **search engine** during the year. No longer called LiveTopics, the same feature is now available after running any search and then choosing the "refine" option. AltaVista then **suggests** possible **related** terms to add or exclude from further **searching**. In addition to the refine capabilities, AltaVista has added **another feature** to make it easier to browse **results**. A small icon at the left in the **search results** allows easy retrieval of a specific hit in a new window. This keeps the original **search results** window open for easy browsing.

Users can also customize AltaVista search options. This new preferences...

14/3,K/93 (Item 10 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01436665 00-87652  
**Searching the hidden Internet**  
Notess, Greg R  
Database v20n3 PP: 37-40 Jun/Jul 1997  
ISSN: 0162-4105 JRNL CODE: DTB  
WORD COUNT: 2487

...TEXT: of a registration fee. Some of the databases are free, while others come from the **databases** available on America Online (AOL) or DIALOG. The full selection of **databases** includes an interesting assortment such as the United Nations, ZD Net, EyeQ, NewsNet, Questel-Orbit, and PBS Online. The full **list** can be found under the Partners icons. Some of the groups have nothing more in common than the ability to be **searched** by PLS's Personal Librarian software.

While the "Invisible Web" is the primary AT1 **database**, they offer **other options** as well. These include Agents, BackIssues, and SearchSavers. The BackIssues **database searches** old Usenet news postings while the Agents section can be used to create a personalized agent for searching current Usenet news. SearchSavers is a **database** of previously performed searches

File 8: Ei Compendex(R) 1970-2006/Jan W3  
(c) 2006 Elsevier Eng. Info. Inc.  
File 35: Dissertation Abs Online 1861-2005/Dec  
(c) 2005 ProQuest Info&Learning  
File 65: Inside Conferences 1993-2006/Jan W4  
(c) 2006 BLDSC all rts. reserv.  
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File 94: JICST-EPlus 1985-2006/Nov W2  
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(c) 2006 INIST/CNRS  
File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 34: SciSearch(R) Cited Ref Sci 1990-2006/Jan W3  
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File 99: Wilson Appl. Sci & Tech Abs 1983-2005/Dec  
(c) 2006 The HW Wilson Co.  
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Comp & dist by NTIS, Intl Copyright All Rights Res  
File 95: TEME-Technology & Management 1989-2006/Jan W4  
(c) 2006 FIZ TECHNIK

Set	Items	Description
S1	4360277	(COLLABORAT? OR COOPERAT? OR CO()OPERAT? OR SOCIAL) () FILTE- R??? OR RECOMMEND?????? OR SUGGEST????
S2	885744	QUERY??? OR QUERIE? ? OR REQUEST??? OR SEARCH???
S3	383356	(SECOND??? OR ANOTHER OR OTHER OR DIFFERENT OR MULTIPLE OR MULTIPLICITY OR SEVERAL OR MORE OR PLURAL? OR DUAL? OR VARIOUS OR ADDITIONAL OR TWO) (1W) (ATTRIBUTE OR ATTRIBUTES OR CRITERIA OR CRITERION OR REQUIRED OR REQUIREMENT? ? OR CONDITION? ?)
S4	437348	(SECOND??? OR ANOTHER OR OTHER OR DIFFERENT OR MULTIPLE OR MULTIPLICITY OR SEVERAL OR MORE OR PLURAL? OR DUAL? OR VARIOUS OR ADDITIONAL OR TWO) (1W) (PROPERTY OR PROPERTIES OR PARAMETE- R? ? OR CONSTRAINT? ? OR RESTRICTIONS)
S5	148106	(SECOND??? OR ANOTHER OR OTHER OR DIFFERENT OR MULTIPLE OR MULTIPLICITY OR SEVERAL OR MORE OR PLURAL? OR DUAL? OR VARIOUS OR ADDITIONAL OR TWO) (1W) (LIMITATION? ? OR FEATURE OR FEATUR- ES OR OPTION? ?)
S6	8013	S2 (20N) S3: S5
S7	763	S1 AND S6
S8	1175777	DATABASE? ? OR DATA()BASE? ? OR SEARCH()ENGINE? ? OR WEBSI- TE? ? OR WEBPAGE? ? OR (WEB OR INTERNET) () (SITE? ? OR PAGE? ?) OR REPOSITOR??? OR LIBRARY OR LIBRARIES OR DIRECTORY OR DIRE- CTORY
S9	18341577	(MATCH??? OR MEET??? OR SATISF???? OR RESULT??? OR LIST? ? OR LISTING? ? OR HITS OR SIMILAR??? OR RELATED)
S10	161	S7 AND S8
S11	511	S7 AND S9
S12	121	RD S10 (unique items)
S13	59.	S12 NOT PY=2000:2006

13/5/2 (Item 2 from file: 8)  
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05226349 E.I. No: EIP99020003860

**Title: Approach to intensional query answering at multiple abstraction levels using data mining approaches**

Author: Yoon, Suk-Chung; Park, E.K.

Corporate Source: Widener Univ, Chester, PA, USA

Conference Title: Proceedings of the 1999 32nd Annual Hawaii International Conference on System Sciences, HICSS-32

Conference Location: Maui, HI, USA Conference Date: 19990105-19990108

Sponsor: IEEE

E.I. Conference No.: 49733

Source: Proceedings of the Hawaii International Conference on System Sciences 1999. IEEE Comp Soc, Los Alamitos, CA, USA, PR00001. p 204

Publication Year: 1999

CODEN: PHISD7 ISSN: 1060-3425

Language: English

Document Type: CA; (Conference Article) Treatment: T; (Theoretical)

Journal Announcement: 9904W1

**Abstract:** In this paper, we introduce a partially automated method for generating intensional answers at multiple abstraction levels for a query, which can help **database** users find more interesting and desired answers. Our approach consists of three phases: preprocessing, query execution, and answer generation. In the preprocessing phase, we build a set of concept hierarchies constructed by generalization of data stored in a **database** and a set of virtual hierarchies to provide a global view of relationships among high-level concepts from multiple concept hierarchies. In the query execution phase, we receive a user's query, process the query, collect an extensional answer, and select a set of relevant attributes to be generalized in the extensional answer. In the answer generation phase, we find the general characteristics of those relevant attribute values at multiple abstraction levels with the concept hierarchies and the virtual hierarchies by using data mining methods. The main contribution of this paper is that we apply and extend data mining methods to generate intensional answers at multiple abstraction levels, which increases the relevance of the answers. In addition, we **suggest** strategies to avoid meaningless intensional answers, which substantiality reduces the computational complexity of the intensional answer generation process.

(Author abstract)

**Descriptors:** \*Data mining; Query languages; Data processing; Hierarchical systems

**Identifiers:** Intensional **query** answering; **Multiple** abstraction; **Attribute** -oriented induction; Abstract only

**Classification Codes:**

723.1.1 (Computer Programming Languages)

723.2 (Data Processing); 723.1 (Computer Programming)

723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING)

13/5/3 (Item 3 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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03913278 E.I. No: EIP94081363013

**Title: Decision tree for end user searching in a large interactive legal database**

Author: Morse, Anita; Pao, Miranda Lee

Corporate Source: Univ of Michigan, MI, USA

Conference Title: Proceedings of the 15th National Online Meeting

Conference Location: New York, NY, USA Conference Date: 19940510-19940512

Sponsor: Learned Information, Inc.

E.I. Conference No.: 20698  
Source: Proceedings - National Online Meeting 1994. Publ by Learned Information Ltd, Medford, NJ, USA. p 335-343  
Publication Year: 1994  
CODEN: PNOMDR ISSN: 0739-1471 ISBN: 0-938734-84-9  
Language: English  
Document Type: CA; (Conference Article) Treatment: A; (Applications); G; (General Review); T; (Theoretical)  
Journal Announcement: 9409W4  
Abstract: A search routine in the form of a decision tree for the selection of search keys on LEXIS is presented. Fidel's **search** routine model has been adapted for this legal information retrieval system specifically. Implicit rules for choosing specific options under **different conditions** are formalized. Options **suggested** are those available to and preferred by lawyers and judges, based on commonly used legal reasoning. It is hoped that the routine could provide a guide to the effective searching of LEXIS by end-users, and form the basis for training by librarians. (Author abstract) 17 Refs.  
Descriptors: \***Databases** e systems; Information retrieval systems; Online searching; Data structures; Decision theory; Trees (mathematics); Online systems  
Identifiers: LEXIS **database** ; End user searching; Decision search tree  
Classification Codes:  
723.3 (Database Systems); 903.3 (Information Retrieval & Use); 723.2 (Data Processing); 921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory)  
723 (Computer Software); 903 (Information Science); 921 (Applied Mathematics)  
72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING); 92 (ENGINEERING MATHEMATICS)

13/5/6 (Item 6 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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03013423 E.I. Monthly No: EIM9101-003423  
Title: **Generalization and a framework for query modification.**  
Author: Chaudhuri, Surajit  
Corporate Source: Stanford Univ, CA, USA  
Conference Title: Proceedings - Sixth International Conference on Data Engineering  
Conference Location: Los Angeles, CA, USA Conference Date: 19900205  
Sponsor: IEEE Computer Society  
E.I. Conference No.: 13940  
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Document Type: PA; (Conference Paper) Treatment: T; (Theoretical)  
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Abstract: The rigidity and limited expressiveness of relational queries often require that a **query** be iteratively modified. An initial **query** is posed, and once it is discovered that the answer does not meet the **additional constraints**, which are not expressed in the relational **query**, it is necessary to modify the **query** in a way such that those constraints are satisfied. The aim of this work is to capture this iterative process by extending the **query** model. Extended **queries**, which express **additional constraints** on the answer set and designate some of the conditions in the relational **query** as flexible, are defined. The **query** modification operators modify flexible constraints to satisfy an extended query. The query modification operation, generalization, is described. The conditions under which generalization is applicable are

identified. Rules of generalization are proposed, and an algorithm for picking a minimal generalization is **suggested** . 13 Refs.

Descriptors: \***DATABAS E SYSTEMS**--\*Relational; COMPUTER PROGRAMMING--Algorithms

Identifiers: EXTENDED QUERIES; ITERATIVE QUERY MODIFICATION; QUERY MODIFICATION

Classification Codes:

723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING)

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01538965 ORDER NO: AAD97-13439

**DATA ALLOCATION AND QUERY OPTIMIZATION IN LARGE SCALE DISTRIBUTED DATABASES (DATA PROCESSING)**

Author: ZHOU, ZEHAI

Degree: PH.D.

Year: 1996

Corporate Source/Institution: THE UNIVERSITY OF ARIZONA (0009)

Director: OLIVIA R. LIU SHENG

Source: VOLUME 57/11-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 4829. 161 PAGES

Descriptors: BUSINESS ADMINISTRATION, MANAGEMENT; COMPUTER SCIENCE

Descriptor Codes: 0454; 0984

Distributed **database** technology is expected to have a significant impact on data processing in the upcoming years because distributed **database** systems have many potential advantages over centralized systems for geographically distributed organizations. Data allocation and query optimization are two of the most important aspects of distributed **database** design. Data allocation involves placing a **database** and the applications that run against it in the multiple sites of a network. It is a very complex problem consisting of two processes: data fragmentation and fragment allocation. Data fragmentation involves the partitioning of each relation into a group of fragment relations while fragment allocation deals with the distribution of these fragmented relations across the sites of the distributed system. Query optimization includes designing algorithms that analyze and convert queries into a set of data manipulation operations. Both the data allocation and query optimization problems are NP-hard in nature and notoriously difficult to solve. We have attempted to combine the two highly interrelated and interactive decision processes in data allocation by formulating them as integer programs taking into consideration **different constraints** and under various assumptions. Various solution methods are discussed and a new linearization method is investigated. We next analyze the **query** optimization problem and reduce it to a join ordering problem. Several heuristics and a genetic algorithm have been developed for solving the join ordering problem. Some computational experiments on these algorithms were conducted and solution qualities compared. The computation experiments show that the **suggested** linearization method performs clearly and consistently better than a currently widely used method and that heuristics and genetic algorithms are viable methods for solving query optimization problem.

It is anticipated that the models and solution methods developed in this study for data allocation and query optimization in distributed **database** systems may be of practical as well as theoretical use. Nevertheless, much more needs to be done to solve the distributed **database** design problems in order to achieve its potential benefits. Our models and solution methods can be the starting point for eventual resolution of these complex problems in large scale distributed **database** systems.

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01333246 ORDER NO: AAD94-06381

**USE OF GENETIC ALGORITHMS FOR QUERY IMPROVEMENT IN INFORMATION RETRIEVAL  
BASED ON A VECTOR SPACE MODEL**

Author: YANG, JING-JYE

Degree: PH.D.

Year: 1993

Corporate Source/Institution: UNIVERSITY OF PITTSBURGH (0178)

Source: VOLUME 54/09-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3248. 238 PAGES

Descriptors: INFORMATION SCIENCE; COMPUTER SCIENCE; **LIBRARY SCIENCE**

Descriptor Codes: 0723; 0984; 0399

Query improvement based on modifications of query term weights can be viewed, in vector space models, as searching a high-dimensional document space for optimal or near optimal queries. A new search method, based on a class of adaptive procedures, genetic algorithms, is **suggested** in this dissertation research. The objective of this dissertation is to study the feasibility of applying genetic algorithms to query modification, aiming to improve the retrieval effectiveness. The idea is that based on relevance feedback the algorithm modifies query term weights to search for the optimal or near optimal query which retrieves more relevant documents than its predecessors.

Initial experiments based on two document collections have indicated the feasibility of this idea. The results have shown both query performance improvement throughout the genetic process and query individual convergence in the final generation. During the study for finding the best set of the genetic parameters, we developed a hybrid method where the crossover rate and the mutation rate are modified within the genetic process. This has led to further improvement of the performance, compared with other parameter setting we have used.

A further test of the hybrid algorithm was applied to a standard document collection, the Cranfield **database**, and a large document collection in the TREC project. The outcomes from the two document collections also have shown both performance improvement and query convergence as shown in the previous two **databases**. Moreover, the results from the Cranfield **database** also showed the improvement of retrieval effectiveness measuring in standard precision, compared with both baseline case with no query modification and the outcomes from one of other studies using relevance feedback. The outcomes from TREC have shown the applicability of this genetic algorithm to large document collections where additional relevant documents were brought to users in the genetic modification process.

**Several features** of the genetic **query** modification also have been displayed. The algorithm has shown adaptability to different evaluation functions where user's preference for precision versus recall can be taken into account by tuning the system. **Another feature** is parallel **search** where different **query** individuals with distinct term weights **search** different areas within a document space retrieving partly or totally different set of relevant documents.

The promising outcomes of genetic optimal query search merit continuing research. The areas for future studies also are presented, such as adjusting window size for document retrieval, parallel machine implementation of genetic query search and feature detection of document collection for tuning the outcomes of systems.

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0962086 ORDER NO: AAD87-18155

**OPTIMIZATION OF EXTENDED RELATIONAL DATABASE SYSTEMS**



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Degree: PH.D  
Year: 1986  
Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, BERKELEY (0028)  
Source: VOLUME 48/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1419. 171 PAGES  
Descriptors: COMPUTER SCIENCE  
Descriptor Codes: 0984

Current relational **Database** Management Systems (DBMS) must be extended to function well in Engineering and Artificial Intelligence applications. Various additional functionalities have been proposed and in this thesis we study the optimization of one extended environment. Specifically, we consider the optimization of a version of the QUEL **query** language extended with **two** new **features** : (1) the repetitive execution of commands, and (2) the execution of relation fields in which collections of QUEL commands are stored. An extended query processing algorithm based on the original INGRES decomposition algorithm is first presented and then various modifications aiming to improve its performance are **suggested** . Caching of query results is also considered as another means to improve the performance of the processing engine. We analyze and **suggest** solutions to the various problems related to the design of a query result cache (replacement policies, invalidation techniques, etc).

Based on the above extensions, a relation field may contain more than one QUEL commands. Accessing such a field triggers the execution of all these commands. We present a set of tactics that can be used to reduce the cost of processing multiple commands using some interquery analysis. Special cases amenable to different kind of processing are also identified and studied.

In the case where all commands stored in a field are retrievals from the **database** , sharing of accessed data is possible. We study the optimization of processing a set of queries in detail, by deriving efficient access plans which take advantage of common intermediate results. Experimental results are also given in support of the proposed algorithms. These results show that significant savings (up to 50%) can be achieved by sharing common data.

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868212 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.  
**QUERY OPTIMIZATION IN DISTRIBUTED DATABASE SYSTEMS**

Author: CHEN, ARBEE L. P.  
Degree: PH.D.  
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Source: VOLUME 45/10-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 3273.  
Descriptors: COMPUTER SCIENCE  
Descriptor Codes: 0984

In a distributed **database** system, data are managed on a network of computers. To access data distributed in different sites, the transmission of data over communication links is necessary. Since communication delay is substantial, query processing is considered strongly related to the performance efficiency of a distributed **database** system. In this thesis, we study the optimization of distributed query processing.

With the objective of minimizing total data transmission cost, we apply the semi-join tactics for query processing. We begin by investigating the properties of optimal semi-join programs for a special type of queries, called **tree queries** . An execution graph is introduced for representing semi-join programs. From the structure of the execution graph, we derive **two properties** which an optimal semi-join program has to satisfy. We

also **suggest** a new approach for processing join clauses in a **query** and obtain two **more** optimality **properties**. Based on these properties, we revise the traditional semi-join processing method such that the cost for processing a **query** can be reduced. We also develop four improvement algorithms. These algorithms can be used to improve the semi-join program generated by any heuristic query processing algorithm.

Although optimal semi-join programs for general queries are generally infeasible, it may be worthwhile to investigate the possibility of deriving an optimal semi-join program for some special types of queries. We propose a procedure to derive the optimal semi-join program for a special type of queries, called star queries. This procedure possesses the flexibility for one to either perform in exhaustive **search** for the optimal semi-join program when the complexity of the **query** is moderate or incorporate **additional restrictions** to get an approximate result when an exhaustive **search** is computationally expensive.

Finally, we study the **query** optimization problem by analyzing the structure of the query. Optimal algorithms for two other special types of queries are developed. We then discuss the query optimization problem by comparing the optimal algorithms for four different types of queries. We also identify important problems for future research.

(Copies available exclusively from Micrographics Department, Doheny **Library**, USC, Los Angeles, CA 90089.)

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854652 ORDER NO: AAD84-21550  
**A SELF-ORGANIZING DATABASE SYSTEM - A DIFFERENT APPROACH TO QUERY OPTIMIZATION**  
Author: PIATETSKY-SHAPIRO, GREGORY ILYA  
Degree: PH.D.  
Year: 1984  
Corporate Source/Institution: NEW YORK UNIVERSITY (0146)  
Source: VOLUME 45/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1840. 108 PAGES  
Descriptors: COMPUTER SCIENCE  
Descriptor Codes: 0984

A Self-Organizing **Database** System (SODS) monitors queries asked, finds a good (or optimal) **database** structure for those queries, and **suggests** or does the reorganization. In this thesis we describe a prototype SODS for single-file relational queries and give an integrated analysis of its major design problems: (1) estimation of the number of records satisfying a condition (i.e., condition selectivity); (2) query optimization; (3) storing information about a set of queries; (4) optimal selection of secondary indices. We present new results for each of those problems. Some of this research was implemented in FASTSCAN, a commercial query system.

We present a new method for accurate estimation of the number of records satisfying a condition field rel constant, where rel is one of "=", "<", ">", "(LESSTHEQ)", "(GREATERTHEQ)". We also examine estimates for **more** complicated **conditions**.

We present elementary operations (such as UNION, INTERSECT) on pointer and record streams. We show how to use the **query** parse tree to construct a query evaluation method (EM) from those operations. Then we give an algorithm for selecting the optimal EM, based on converting the query to conjunctive normal form.

We examine ways to compress information about a set of queries by combining information for similar queries. We derive a compression scheme which allows a correct and fast computation of the cost of the average query under any index set.

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DIALOG(R) File 2:INSPEC  
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07751360 INSPEC Abstract Number: C2000-12-7250N-028

**Title: Criteria for comparing children's Web search tools**

Author(s): Kuntz, J.

Author Affiliation: Ramapo Catskill Libr. Syst., Middletown, NY, USA

Journal: Library Computing vol.18, no.3 p.203-7

Publisher: Sage Publications,

Publication Date: 1999 Country of Publication: USA

CODEN: LICOFW ISSN: 0742-5759

SICI: 0742-5759(1999)18:3L:203:CCCS;1-3

Material Identity Number: H418-2000-002

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Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Web search tools designed for children are dramatically different than search tools designed for adults. In the past, children's search tools have been critically examined infrequently, using poor criteria. Several criteria for their evaluation are suggested and illustrated with tables. The author admits to being slightly biased, since he manages one of the search services examined. However, it is hoped that these criteria can be established as measures for future comparisons of children's search tools. (0 Refs)

Subfile: C

Descriptors: Internet; search engines

Identifiers: children Web search tools; Internet; database size;

search engines ; web sites

Class Codes: C7250N (Search engines)

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13/5/33 (Item 5 from file: 2)  
DIALOG(R) File 2:INSPEC  
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07175434 INSPEC Abstract Number: C1999-04-7250-004

**Title: Towards a framework for building collaborative information searching systems**

Author(s): Trousse, B.; Jaczynski, M.; Kanawati, R.

Author Affiliation: Inst. Nat. de Recherche en Inf. et Autom., Sophia Antipolis, France

Conference Title: Research and Advanced Technology for Digital Libraries. Second European Conference, ECDL'98. Proceedings p.659-60

Editor(s): Nikolaou, C.; Stephanidis, C.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1998 Country of Publication: Germany xv+908 pp.

ISBN: 3 540 65101 2 Material Identity Number: XX-1998-02781

Conference Title: Reserch and Advanced Technology for Digital Libraries. Second European Conference, ECDL'98. Proceedings

Conference Date: 21-23 Sept. 1998 Conference Location: Heraklion, Greece

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: If the World Wide Web (the web for short), should become the world wide digital library, not only effective and efficient information searching techniques are needed, but also an adequate collaboration support that enables people to cooperate and collaborate in locating relevant information just as they do in physical libraries is needed. Collaboration support is required during information searching as well as for sharing results of previous searching process. Collaborative information searching (CIS) can be either direct or indirect. In direct collaboration, people communicate directly, in synchronous or asynchronous manner, in order to show one another where to go to find a given

information or simply to send to one **another** the **required** information. In indirect collaboration information gathered from previous information **searching** process conducted users are used to help other users in their searching activities. **Recommended** systems are an example of indirect CIS systems. In this paper we address the problem of providing a framework that facilitates the design and the implementation of various CIS applications. An overview of this framework, called, Broadway/sup \*/Tools is presented.

(2 Refs)

Subfile: C

Descriptors: digital **libraries** ; information resources; information retrieval systems

Identifiers: framework; collaborative information searching systems; World Wide Web; world wide digital **library** ; information searching techniques; physical **libraries** ; Broadway/sup \*/Tools

Class Codes: C7250 (Information storage and retrieval); C7210N (Information networks)

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13/5/35 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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05980234 INSPEC Abstract Number: C9508-7250N-001

Title: **Peek-a-Boo revived-end-user searching of bibliographic databases using filtering views**

Author(s): Pollitt, A.S.; Smith, M.P.; Ellis, G.P.

Author Affiliation: Centre for Database Access Res., Huddersfield Univ., UK

p.63-73

Editor(s): Raitt, D.I.; Jeapes, B.

Publisher: Learned Inf, Oxford, UK

Publication Date: 1994 Country of Publication: UK xx+654 pp.

ISBN: 0 904933 88 1

Conference Title: Proceedings of Eighteenth International Online Information Meeting

Conference Date: 6-8 Dec. 1994 Conference Location: London, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Examines the technology of document retrieval processing using Peek-a-Boo (optical coincidence) cards in the context of the subsequent application of computers. Online computer access to **databases** was first demonstrated some 30 years ago, yet today there are major questions regarding the quality and effectiveness of computerised retrieval. It is **suggested** that the conversational style of interaction, prevalent in current systems, is limiting the potential for effective access to bibliographic **databases**. This paper demonstrates that a mode of interaction, analogous to the opto-mechanical principles applied in the Peek-a-Boo system, can be applied in computerised retrieval systems to enhance the quality of human-computer interaction radically and increase effectiveness. The MenUSE (Menu-based User **Search Engine**) software has evolved from constructing explicit Boolean combinations of concepts automatically to using an implicit Boolean searching approach, similar to Peek-a-Boo. Thesauri and classification schemes, together with other searchable values, provide the user with views onto a **database** and a means for the recognition and selection of concepts and **other parameters** by the end-user. The resulting filtering model has been implemented for **searching** the European Parliament's EPOQUE **database** and for INSPEC. This second application provides illustrations of the technique for this paper. (20 Refs)

Subfile: C

Descriptors: bibliographic systems; classification; information services; online front-ends; thesauri; user interfaces

Identifiers: Peek-a-Boo cards; optical coincidence cards; end-user searching; bibliographic **databases** ; filtering views; document retrieval

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